



The Original Metal Framing System

UNISTRUT®

Make your projects faster, easier, stronger and safer

Unistrut products have been helping to build a better world since 1924. Used extensively in nuclear, industrial and commercial construction markets for over 80 years, Unistrut Metal Framing has set the standard for product design, quality and performance.

The initial Unistrut concept — a simple spring nut and bolt connecting a fitting to a continuous slotted channel — has evolved into a comprehensive engineered building and support system.

There is only one Unistrut Metal Framing System.

We offer the most complete and flexible support system available, supported by our national network of distributors and service centers stocking standard Unistrut components and providing customers with total-resource capability.



We invented it. The one you know, the one you trust, the one you ask for by name...**UNISTRUT**. *Accept no substitute.*

Meet Mr. Strut...

Mr. Strut has symbolized Unistrut innovation for better than 80 years and he's still coming up with fresh ideas and new ways to help you work easier, faster and smarter!



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4 Unistrut[®] Metal Framing

Unistrut Metal Framing is the original strut system offering a time and money saving alternative to conventional support methods. The Unistrut system eliminates welding and drilling, and is easily adjustable, demountable and reusable.

Page 6 Telespar® Telescopic Tubing

Perforated, four-sided Telespar Telescopic Tubing makes quick work of hundreds of support applications, without special tools, welding or assembly. Self-aligning dimpled fittings and telescoping action provide fast assembly and repeatable, incremental adjustment.

Page 7 Telestrut® Telescopic Tubing



Telestrut is a perfect compliment to the Unistrut metal framing system. It's the only telescoping system that offers both infinite and incremental adjustability. Five connection methods include a boltless universal rivet that can cut assembly time in half.

Page 8 PrimeAngle[™] Slotted Angle System



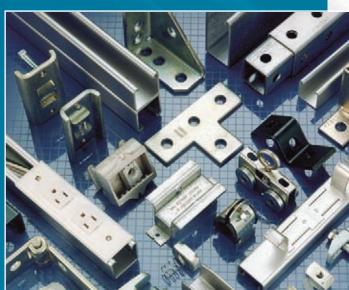
PrimeAngle[™] is a complete slotted angle support system that's versatile, economical and easy-to-use. With the standard 10' and 12' lengths, three strengths and two finishes, PrimeAngle meets a wide range of support needs and requires only a ⁹/16" wrench for assembly.

Page 9 United Interlock® Grating System



Engineered with a high strength-to-weight ratio, these multi-use planks can be carried by one person. United Interlock Grating installs easily with a snap-together friction fit that minimizes welding and bolting, providing overall cost savings of up to 60% over other materials.

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Unistrut[®] Metal Framing



Look for this icon to identify Metal Framing applications throughout this brochure.

Featuring The Unique Unistrut Connection

- No Welding
- No Drilling
- 100% Adjustable
- 100% Reusable



1 Insert the spring nut anywhere along the continuous slotted channel. Rounded nut ends permit easy insertion.



4 Additional channel sections can now be bolted to the fitting already in place by using steps 1-3.



2 A 90° clockwise grooves in the nut with the inturned edges of the channel. Fittings can be placed anywhere along the channel opening.



3 Insert bolt through fitting and into the spring nut.



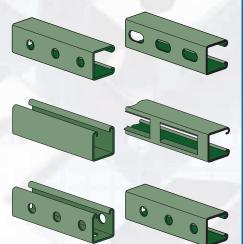
5 Tightening with a serrated teeth of the nut into the inturned edges of the channel, forming a strong, vise-like connection.



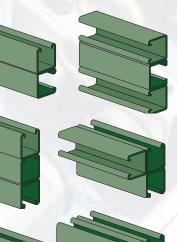
Available in a variety of finishes and materials including pregalvanized steel, Perma-Green III painted steel, stainless steel and fiberglass.

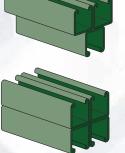
Unistrut[®] Metal Framing

The channel styles you want...



...and the combinations you need.





Hex-head bolt threads easily into a spring nut, connecting fitting to channel in a quick one-hand operation.

When the nut is tightened against the inturned edges, the nut teeth create a vise-like grip, tying sides together in a strong "box" configuration,

Spring allows precision placement anywhere along channel length, then holds the nut in position while connection is completed.

Fifteen channel sizes and hundreds of fittings give you engineered solutions to a virtually limitless variety of projects. **Product Introductions**

The engineered four-sided tubing system that carries a heavy load... 1,001 different ways.

> Holes on 1" centers in telescoped sections remain in perfect alignment. Hole patterns on 1, 2, or 3 sides may be special ordered to meet your specific needs.

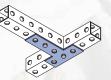
Telespar[®] **Telescopic Tubing**



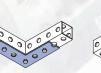
Look for this icon to identify Telespar applications throughout this brochure.

Telespar Telescopic Tubing perforated sections are available in eight sizes from 1" to $2^{1/2"}$ square. Perforated sections feature holes on all four sides, spaced on one-inch centers. Sections without holes are also available. Versatile, adjustable and reusable, Telespar Tubing offers design flexibility as well as important savings in time and labor costs.

Available in 10, 12 and 14 gauge steel, with a complete line of fittings, fasteners and accessories, Telespar lets you create new designs in hundreds of applications. From racks and interior partitions to adjustable platforms, hangers and sign supports, you can build them all without special welding, tools, or assembly skills.



Dimpled fittings provide automatic alignment and require fewer bolts.







Two options for repeatable adjustment of telescoping sections.











Spring loaded stop

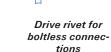
Lock pin





Through bolts for routine fastening

Corner bolts prevent side wall deformation



Sections without holes are also available in sizes of 1" to 2¹/2" square.

Unique corner weld produces close tolerances for easy adjustability and design flexibility, without costly on-site fabrication.

Three standard finishes are available, including galvanized, Perma-Green[™] and plain (lightly oiled surface).

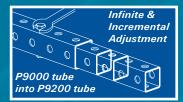
Telestrut[®] Telescopic Tubing

Look for this icon to identify Telestrut applications throughout this brochure.



Three-sided channel and four-sided tubing, working together in one powerful support system.

By joining infinitely-adjustable threesided channel with incrementally adjustable, pre-punched four-sided tubing, the Telestrut system can be telescoped, spliced, adjusted and reused faster and easier than anything in its class. So you can design, build and change support structures faster...and better...than you ever thought possible. Efficient assembly with no welding, drilling or other time-consuming fabrication, plus five different fastening options...including a rivet system for super-fast boltless fastening... provides maximum project power. Other fasteners include the Unistrut spring nut and bolt, standard through-bolts and for temporary connections, a removable, self-locking gravity pin.





1⁵/8" Channel

90° Angle Fitting

1⁷/8" Tubing

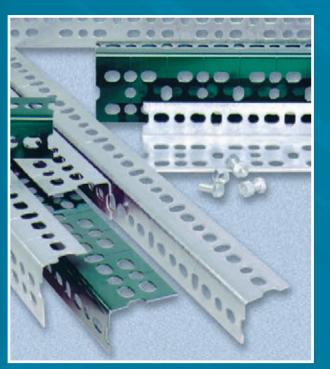
Flat Plate Fitting

Multi-Grip Rivet Connection

Gravity Pin Connection **Pipe Clamp**



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Gusset Plate

Three-hole corner plate reinforces right angle connections when additional strength is required.



Slotted Strap

Used to reinforce slotted angle sections. Hole pattern exactly matches hole pattern in slotted angles. Available in 10' and 12' lengths.

Pre-galvanized finish.



Casters—

Rigid and swivel designs for mobile equipment, with 3½" diameter hard rubber wheels. Casters are 4³/₄" high, with mounting plate holes on 3" centers to match angle hole pattern. Each caster is load-rated at 225 lbs.



Serrated Nuts & Bolts

PrimeAngle™ Slotted Angle System



Look for this icon to identify PrimeAngle applications throughout this brochure.

A complete support system that's versatile, economical, & easy to use.

- No drilling, welding or special tools necessary.
- Fast, efficient bolt-together construction.
- Easy to change and adjust.
- Cost-saving reusable materials.

With its standard 10' and 12' lengths, three strengths and two finishes, this Slotted Angle System fills a wide range of support needs and requires only a ⁹/16" wrench for assembly. Available in pre-galvanized and acrylic green finishes.

PA-158 **Light-Duty**

(15/8" x 15/8" x 14 Ga.) For those jobs where extra strength is not

necessary. Ideal for

light-duty shelving or

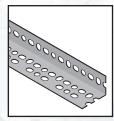
PA-238 **Medium Duty**

racking.

(15/8" x 23/8" x 14 Ga.) Perfect for the majority of framing needs, including shelving, racking, and electrical or mechanical support jobs.

PA-318 **Heavy Duty**

(15/8" x 31/8" x 12 Ga.) Suitable for balconies. ramps, large racks and shelving systems, as well as other structures with substantial load requirements.





United Interlock® Grating System

Look for this icon to identify United Interlock applications throughout this brochure.



The snap-together plank grating with a high strengthto-weight ratio... for well-built projects that come together quickly.

Strong, lightweight, economical, and versatile, United Interlock Grating Systems provide important economy and safety advantages wherever people walk...from mezzanines, platforms and catwalks to stair treads, scaffolds, access ramps and rooftop walkways. When combined with our metal framing systems, United Interlock planks are ideal for racks and other material handling applications.

The planks snap together with positive friction so welding and bolting is minimized. United Interlock planks can be easily cut to size, shape and angle at the jobsite so it's simple to make on-the-spot modifications and adjustments.

United Interlock planks are available in 6", 9", and 12" widths, standard lengths of 20' and 24' with special lengths up to 30'. Two material gauges and three leg heights meet a wide range of load, space and budget requirements.

- All sections made from structural-grade steel.
- Exclusive 360° anti-skid design, for maximum slip resistance.
- Roll-formed design provides superior strength.
- Open design admits light and air, prevents build-up of water, grease, oil and small debris.



Slotted-Smooth surface (with

double-male legs)

Anti-Skid surface (with male-female legs)







Art Display Rack

Maximum storage and artwork display space was achieved with Unistrut Metal Framing components. The system is compact and convenient for the art client while still aesthetically pleasing.

Storage Racks & Shelves

Storage racks like the one shown here are one of the earliest and most common applications for Unistrut metal framing. There are several advantages to a metal framing rack. The load capacity is determined

by the channel series that is used. The shelves are fully adjustable. Just loosen the bolts that secure the fittings to the channel and you can raise or lower the shelves. Post bases can be used when the rack is placed on a concrete surface to avoid surface damage.

The simple rack is just the beginning. Our users have extended the concept in every direction, from art storage racks to complex storage systems with built in ladders.





This vertical rack allows the furniture distributor to store and display tabletops and countertops in a manner that allows

convenient browsing.



Art Rack

Versatile shelving made from Unistrut Metal Framing can accommodate both vertical and horizontal artwork, and is durable, lightweight and easily moved.







Parts Rack & Service Counter

This integrated structure includes storage racks, lighting supports and service counter, all fabricated from Unistrut Metal Framing without welding or drilling.





Adjustable Cable-Dispensing Rack

This rack is expandable in three directions, a feature unique to structures made from Telestrut Telescoping Strut. It also offers sufficient load capacity for the larger cable rolls.



Adjustable leg 4 height allows precise adjustment of each leg to accommodate floor irregularities.

Adjustable Rack

This specialty rack, fabricated from Telestrut components, can be adjusted to handle a variety of boxes, small pallets and other items.



Integrated Ladder, Racks & Service Platform



This unique installation demonstrates a key point: No other support system can make better use of available space than Unistrut Metal Framing.

Storage Racks & Shelves





Suspended Pallet Rack

Prefabricated back-to-back Unistrut channel sections form the outside rails of this pallet storage platform, which is suspended from the ceiling with Unistrut Metal Framing vertical drops.



Shelvi<mark>ng & Me</mark>zzanine Supports

Multi-purpose shelving made from Unistrut Metal Framing is tied into an overhead deck, which utilizes United Interlock grating and back-to-back Unistrut cross members for extra support.





Work Tables, Parts Crib

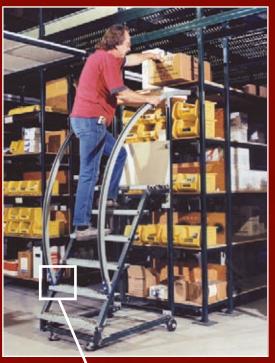
Unistrut Metal Framing components are ideal for multi-use projects. In this case, the installation combines a parts crib, storage racks and work tables.





Reel Rack

This custom reel rack was easy to design and build using just one basic size of PrimeAngle slotted angle.



Securing the curved channel handrail to stair stringer is fast and easy with pre-formed Unistrut angled fittings.

Parts Storage Rolling Ladder

This rolling ladder, custom fabricated from Unistrut curved and straight channel sections, also features anti-slip stair treads made from United Interlock grating. Storage racks are made from standard Unistrut channel and fittings.



Pallet Racks

These pallet racks were fabricated from solid and perforated Telespar tubing with Unistrut Metal Framing cross members. Beam clamp accepts standard threaded rod.

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Trapeze Hangers for Conduit Support

Trapeze hangers made from Unistrut channel suspended from the structural steel beams with Unistrut beam clamps provide dependable support for the conduit runs.

Pipe & Conduit Supports

The pipe support trapeze is another classic example of Unistrut products in action. Nearly every large building requires a support structure for pipes and conduit. The wide range of channel sizes allows you to design a support that is appropriate for the loads encountered. A major advantage of Unistrut products is that you can build around structures that are already in place. Whether you are building a pipe support trapeze, a lighting support, or a rooftop stanchion, Unistrut metal framing offers a convenient solution.

Rollers bolt to channel, allowing effective pipe

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movement.



Conduit & Junction Box Supports Cut-to-length Unistrut channel sections accommodate any number of side-by-side pipe or Rollers on Unistrut channel keep large pipes in place while allowing for pipe expansion and contraction as temperatures change.

Steam Lines On Pipe Rollers

Pipe & Conduit Supports

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conduit runs.



Tunnel Stanchions For Steam Lines

Heavy steam lines require strong, dependable support, a job perfectly suited to the heavier Unistrut Metal Framing.



Stand-Off Conduit Support

Special situations require a system with built-in flexibility. Here, Unistrut Metal Framing is used to fabricate a stand-off support for a run of large-diameter conduit.

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Outside Column Mount

Securing this outlet box was fast and easy, thanks to the Unistrut outside column mount, which adapts to any size I-beam. Unistrut beam clamps secure channel sections, which provide horizontally adjustable supports for suspended duct work.

Easy-to-install Unistrut J-hangers come in sizes to fit pipes, conduit or round duct work up to 8" in diameter.



Round Duct Supports

Unistrut Metal Framing, threaded rod and Unistrut J-hangers combine to provide adjustable support for this industrial exhaust system.



Cantilevered Conduit Supports

Easy-to-install Unistrut beam clamps and channel provide strong cantilevered support for this conduit run.



Hydraulic Systems Supports

Hydraulic lines are subject to small vibrations that can loosen conventional support components. Unistrut Metal Framing, in combination with vibration-damping pipe clamps, is the answer.



Rooftop Pipe Supports

Telestrut set on the roof base to support elevated pipe lines.

Pipe & Conduit Supports



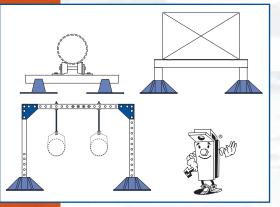
Wall-Mounted Pipe Supports



A combination of embedded and surface-mounted sections, plus a variety of bracket, clamps and fittings, give this Unistrut installation unlimited versatility.



Roof-Mounted Equipment Support Metal framing provides elevated support for air conditioning condensers.





Lighting Support

Beam mounted channel provides support for the lighting system as well as, an electrical raceway for the fixtures.

Easyto-use Unistrut beam clamps slip on channel and over lip of I-beam.



Beam-Mounted Busway Supports

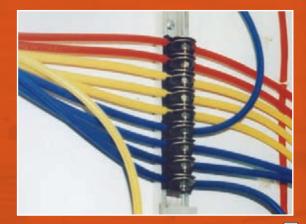
Various component types, sizes and configurations can be quickly and easily secured with the Unistrut system. Boltless connection system makes use of a special Telestrut rivet to connect sections with a quick hammer blow.





Heavy-Duty Trapeze Hanger

This Telestrut trapeze hanger features channel sections on both top and bottom to provide added strength and extra support versatility.



Wall-Mounted Pneumatic Tubing Supports

These pneumatic lines are secured to wall-mounted Unistrut aluminum channel with special clamps that hold lines in place without damage or distortion.

Beam clamp slips on channel and over lip of I-beam to produce a strong friction grip.



Conduit & Junction Box Supports

Unistrut channel and beam clamps adapt to a variety of support requirements such as these junction boxes at the end of a conduit run.



Equipment Transformer Support

Hundreds of fittings allow quick fabrication of custom supports, such as the heavy-duty brackets providing support for this transformer box.

Equipment, Tool & Sign Support

Equipment supports are often a challenge for the installer. Many items are added after construction is complete and the solution must be adapted to available space. This is where Unistrut products clearly distinguish themselves. A wide variety of channel sizes, beam clamps and fittings creates an endless variety of choices.



Air Tank Supports

Air tanks and similar equipment can be contained, supported and protected with standard Unistrut Metal Framing components.



Cable reel is attached directly to a Unistrut trolley, which rides along in-turned channel edges.

Vehicle Exhaust Release System

This trolley system made from channel attached to Telespar drops, supports flexible duct attached directly to vehicle exhaust during testing and maintenance procedures.





Overhead Rectifier Support

Prefabricated back-to-back Unistrut sections provide plenty of beam strength for this heavy overhead rectifier.





Panel Board Support

This panel board is framed by Unistrut sections and supported on Unistrut posts, which fit into special post bases permanently anchored in concrete.



Transformer Mounts

Extra size and weight are no problem for Unistrut Metal Framing. These equipment boxes were mounted quickly and easily without welding, drilling or special tools.



Sign Support

Telespar telescoping square tubing makes an ideal support system for grounds signage like this handicap parking sign.



Adjustable Support

A Telespar telescoping support attached to an overhead Unistrut grid permits this fan to be raised or lowered as conditions require.

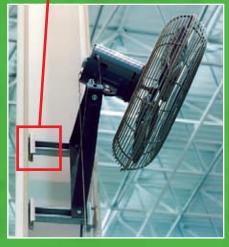






Trolley System

Unistrut channel sections, special fittings and ball-bearing trolleys form an ideal system for suspending mobile equipment like these pneumatic carton staplers. The cone-point bolts dig into the I-beam sides when tightened which provides fast, non-slip support.





Inside Column Mount

Unistrut inside column mounts provide instant attachment points for small equipment like this fan. A ceiling grid can be anything from a decorative solution to a supporting structure for HVAC. The classic ceiling grid design shown here is often used for supporting ductwork, lighting and other utilities. Since the channel can be used as an electrical raceway, overhead lighting systems are often created using Unistrut metal framing.

Ceiling systems often include mezzanines and catwalks to allow easy access to the ceiling structures.

Ceiling Support Grids, Mezzanines & Catwalks



Ceiling Grid

Drops for this grid are fabricated from threaded rod suspended from Unistrut channel, which is attached to the roof structure with Unistrut beam clamps.



Overhead Grid

This Unistrut grid effectively supports a variety of overhead mechanics equipment in a car dealership service department.



Drops & Supports For Metal Ceiling

Unistrut components provide plenty of strength to support these metal ceiling panels. Heavy-duty drops are made from Unistrut channel and attached to overhead I-beams.







Duct Work Supports

Versatility allows Unistrut Metal Framing to turn any three-dimensional space into a multi-use support environment.





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Lighting Grid

This grocery store uses Unistrut's UL-Listed channel as an architectural element while functionally acting as an electrical raceway for overhead lighting.



Ceiling Grid

This ceiling grid is both decorative and functional. The channel is used as an electrical raceway and the heavy overhead lights are attached to the grid.



This Unistrut grid effectively supports a variety of overhead service, including both lighting and air-handling duct work.





Multi-Use Overhead Support Grid

Unistrut sections can be dropped directly from structural members to form supporting framework that provides attachment potential in both vertical and horizontal planes.



Catwalk & Handrail

United Interlock grating forms a high-strength, lightweight walkway that allows air and light to pass through. Handrails are made from Unistrut channel.



🐴 Ceiling Grid

This versatile grid provides solid support for everything from lighting to air-handling duct and water lines.





With hundreds of fittings and attachment options, grids made from Unistrut components adapt easily to structural obstructions like this large support column.

Ceiling Support Grids, Mezzanines & Catwalks





Warehouse Mezzanine

This mezzanine floor was fabricated with United Interlock Grating, making assembly fast and efficient.

> Special fittings make short work of intersecting connections.





Ceiling Grid With Duct Work

Unistrut ceiling grids can be suspended from virtually any overhead structure to provide support for a variety of service equipment, such as this HVAC duct work.





Overhead Walkway

Back-to-back Unistrut channel is ideal for these guardrails that protect workers using this overhead walkway system made from United Interlock grating.





Catwalk Supports

With Unistrut gridwork already in place, this catwalk with its United Interlock grating walkway and Unistrut handrails, was an easy addition.



Overhead Platform Support

Channel sections with high load bearing capabilities make the Unistrut Metal Framing System ideally suited to heavy-duty applications like the supporting structure for this overhead platform.

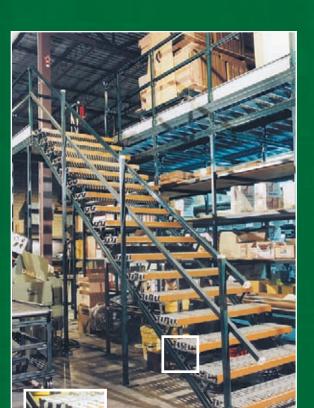




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Utility Chase System

With a handrail system already in place, Unistrut Metal Framing was used to unify and enhance the look and safety of the system.





Stair treads are secured to Unistrut stringers with preformed bolt-on fittings.

Mezzanine, Stairs

Mezzanine, stairway and integrated storage racks are all fabricated with adjustable Unistrut Metal Framing components. Stair treads and mezzanine decking are made from United Interlock grating.

Ceiling Support Grids, Mezzanines & Catwalks





Drop Ceiling

The ceiling grid is an excellent way to hide the HVAC system. In addition, the overhead lighting is also supported by the channel grid.





Catwalk Support Detail

Catwalk support diagonals are attached to Unistrut channels with adjustable braces that pivot to form any angle required.



Public School Ceiling Grid

Acoustical ceiling panels, lighting and a walkway are being supported from a ceiling grid constructed of Unistrut Metal Framing. The ceiling grid provided the necessary flexibility to accommodate the sharp slope of the ceiling within the high school auditorium.





Cable Tray Supports

Cable tray supports are a more recent application of Unistrut products. Whether you are supporting the tray with a simple trapeze, a shelf bracket hung from a beam, or a shelf bracket attached to the wall, Unistrut channel and fittings offer a perfect solution. Cable tray systems are often forced to avoid existing structures which results in more complex support requirements. Unistrut channel offers the simple, yet flexible, method for dealing with these issues. Unistrut compo nents make an ideal two-level trapeze hanger for support of multi-layer cable tray.





Cable Tray Supports

The Unistrut system provides support solutions to match the many twists and turns of this cable tray installation.





Beam-Mounted Cable Tray Supports

Cable tray is supported on a Unistrut trapeze-style hanger suspended from beam clamps.





Cable Tray Brackets

Unistrut Metal Framing and brackets form an ideal cable tray support system where tight quarters require maximum support and flexibility in minimum space.





Multi-Tier Cable Tray Supports

any point along the channel, they provide ideal

supports for this multi-tier cable tray installation.

Wall-Mounted Cable Tray Supports

Using conventional fastening methods, this Unistrut channel and bracket assembly is attached directly to a block wall. Compatible casters offer a simple way to create mobile equipment using Unistrut Metal Framing.



Rolling Cart

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This rolling cart includes drop-in plywood shelves and heavy-duty casters that bolt directly to the metal framing.

Material Handling

Material handling encompasses a wide variety of applications. From the simple rolling cart shown on the left to complex conveyor support systems. Most factories require specialized material transfer systems, tooling supports, and specialized work areas. The flexibility of Unistrut products is an ideal choice for these structures. No welding or drilling is required and Unistrut channel can accommodate a wide variety of loading conditions.





Saw Horse

The simple tool cart or saw horse is just the beginning of what can be easily fabricated with Unistrut components.



Die-Handling Trolley System

This die-handling system makes use of back-to-back Unistrut channel trac sections and ball-bearing trolleys to produce an overhead support structure with movement in two directions.

Unistrut trolleys are designed to ride on the inturned edges of Unistrut channel, providing mobile support of up to 600 lbs. per trolley assembly. Adjustments are made by loosening bolt connections and telescoping Telestrut sections to achieve desired dimension.





Conveyor Support

This conveyor support structure, made entirely from Telestrut components, is engineered to provide infinite adjustment in both width and height, making it adaptable to a wide range of conveyor styles and sizes.



Rolling Bar-Stock Rack This rolling bar-stock rack features cantilevered brackets that can be quickly adjusted to accommodate changing stock requirements.

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Adjustable Material Stand

A gravity conveyor is supported by a multi-purpose, adjustable material stand made from Unistrut Metal Framing and Telestrut Telescoping Strut.



Material Feed Stand



A production cutting operation utilizes an adjustable framework made from Telespar tubing to support stock being positioned for cutting. Roller height can be easily adjusted to change feed tension



Steel Strip Material Feed

This assembly, made from Telespar tubing, provides a simple method of adjusting tension and slack for a small strip-feed blanking operation. **Material Handling**



Drywall Cart This drywall installation cart, constructed from channel, uses channe wheels to allow easier movement at the job site.

The specially designed channel wheels attach using a channel insert.



Feed Mechanism For Steel Strip

This material feed assembly is made from Telespar square tubing, which provides the incremental adjustment needed to match material flow to machine cycle speed Telespar sections telescope to provide fast, repeatable adjustment.

Material Handling



Band Saw Material Feed Supports

With other materials, this support framework would take precise planning, careful measuring and costly, timeconsuming welding. Unistrut Metal Framing ends those problems forever.



Parts Feed Cart

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This mobile parts feed cart provides the rugged performance and adjustability typical of material handling devices fabricated from Telespar square tubing.

Platforms, Tables & Risers

Unistrut products are a natural for creating specialized work platforms, tables, ladders and such. The Unistrut Interlock Grating is often a key element in the design. It provides a safe, slip-resistant walking surface that is free from the oil build-up than makes other surfaces slick.

Many times the factory maintenance staff must create specialized solutions according to a new demand. A small stock of Unistrut channel, grating and fittings and they have the basic components to tackle most of these requirement.



Rooftop Platform

United Interlock grating offered a convenient way to construct a walkway which avoids the existing piping structures.







Layout Table

This layout table, made from telescoping Telespar sections, can be raised or lowered, as needed.



Machine Platform, Handrail

This platform made from United Interlock Grating, provides a safe, slip-resistant walking surface free from the oil build-up that can make ordinary surfaces slick and dangerous. Handrail is made from Unistrut channel.



Step Stool

United Interlock grating and PrimeAngle slotted angle come together to form this rugged and convenient shop step stool.



Drafting Table

Easy-to-cut PrimeAngle sections with pre-formed slots and holes made construction of this drafting table quick and simple.



Portable Platform



Platforms, Tables & Risers





Riser

This custom riser was quick and easy to build using wood planking secured to a framework made from PrimeAngle™ slotted angle. Simple nutand-bolt assembly and convenient right-angle design are ideal for forming secure perpendicular connections.

Workbench

Plywood planking and heavyduty pegboard are quickly attached to PrimeAngle sections, which form the framework for this easy-tobuild workbench.

Rooftop Walkways & Supports



Unistrut Interlock Plank Grating

System provides a functional and aesthetically appealing look to all kinds of architectural applications. The galvanized gratings resist corrosion to provide a clean look that will last. The exclusive anti-skid surface provides 360° of slip resistance and makes it ideal for harsh weather environments encountered in rooftop systems.

Unistrut channel is a great companion product in this application. Ladders, handrails, and other equipment supports can be easily constructed with Unistrut channel.

Unistrut Grating and Channel are an unbeatable team for rooftop construction projects.



Unistrut Roofwalk walkways are your

low-cost solution to damage caused by

rooftop foot traffic. On membrane, built-

up, foam and coated roofs, they protect

against puncture, abrasion and wear.

Even the Bigfoots of the world, like our

friend shown above, can walk safely on

the anti-skid surface without causing

Non-Slip Grating

This United Interlock mezzanine surface features an open, non-slip design that also prevents accumulation of spills and debris.



seam distortion, "dishing" or harmful stress to roof panels.

Thanks to special system hardware, no roof penetration is required for anchoring. Roofwalks are versatile and adapt to any roofing system. The planks are strong yet lightweight, making installation quick and easy.







Building Ladder

Unistrut provides support and compatibility. Channel and fittings are used to fabricated rungs and attach the ladder to the wall. The assembly is completed with a United Interlock Grating top platform.



Rubber Curb Support

Channel support is designed for superior support of gas and refrigeration piping systems, cable tray, HVAC equipment, walkway systems and many other applications on a roof top in lieu of wood or other materials that may cause damage to the roof. The material is UV resistant and approved for any type of roofing material or other flat surfaces.

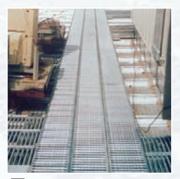
Rooftop Walkways & Supports





Rooftop Walkways

These Roofwalk[®] Rooftop Walkways have been sloped to clear a rooftop obstruction.





Rooftop Walkways

Specially engineered fittings and fasteners allow attachment of Roofwalk[®] walkways to standingseam metal roofs, which are highly susceptible to pedestrian damage.





Rooftop Walkways

The United Interlock grating is combined with other Unistrut components to build a rooftop equipment support pattern with integrated steps and guard rail.

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Rooftop Safety Walkway

Unistrut channel and United Interlock Grating are used to create a rooftop walkway with handrails. The roofwalk protects the roof and provides a safe walkway for pedestrians and workers especially when the weather is had







Rooftop Support
This rooftop support is a typical
channel application.

Rooftop Walkways & Supports

Rooftop Walkways

Preventing costly damage to roof surfaces is a major advantage of these Roofwalk[®] Rooftop Walkways, which provide safe access to rooftop equipment.

Rooftop Walkways & Supports



This innovative framing grid offers a standard yet highly flexible method for attaching electrical control boxes and associated cables. It is designed for the ever-changing configuration of equipment encountered in this application.





Rooftop Walkways

United Interlock grating offered a convenient way to construct a walkway which avoids the existing piping structures. It is also easily removed if modifications to the piping are required.





Weather Equipment Tower

Unistrut products were used for the complete weather station from the integrated ladder to the instrument supports. The vertical columns were built from the prefabricated backto-back channel. This provided the necessary load capacity and also offered a convenient way to attach the equipment control box.





Elevator Service Platform

The building was updated to allow an elevator to bring them to this place and, in doing so, the elevator shaft required a safe access platform constructed from Unistrut interlocking grating for the servicing of the elevator.

An older multi-story building was converted to privately-owned upscale condos. The rooftop was converted to a common area to allow the residents a peaceful place to relax and enjoy the beauty of the surrounding mountains. The challenge was to prevent damage caused from unnecessary roof traffic, as well as, creating a pleasant visual environment. Unistrut worked directly with the developer and the architect to come up with a solution for a simple and complete system.







Rooftop Terrace

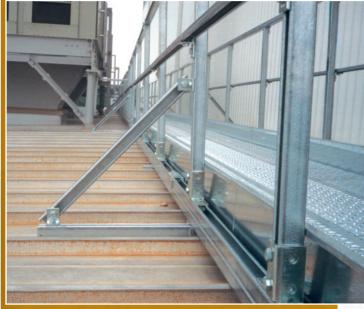
Unistrut stair treads were implemented for access to different elevations and the walking platform is interlocking grating.

Rooftop Terrace

The framing is designed with typical Unistrut channel and fittings resting on $\frac{1}{2}$ " thick rubber pads.

Rooftop Walkways & Supports





Roofwalk with Floating Handrail

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A utility needed a roofwalk on a standard standing seam roof for access to air-handlers. For safety purposes they also required this roof walk to accompany handrails. This complete system needed to be installed without penetrating the roof and voiding any warranties.

Unistrut's solution was a floating frame using typical Unistrut channel and fittings that worked directly with the interlock grating system and would allow attachment points for handrails, also designed from typical Unistrut channel and fittings, without penetrating the roof.

Integrated Office & Laboratory Components

Architects have turned to Unistrut products to create specialized office and laboratory components that are functional yet atheistically appeal ling. Stairs, railings, shelving, workstations can be designed to fit into the overall architecture.





Guardrail

This guardrail, fabricated from standard Unistrut components, protects employees working on raised production staging platform.





Laboratory Casework Framing

Clean lines, durability and adjustability are all part of this laboratory casework made from Unistrut Metal Framing.

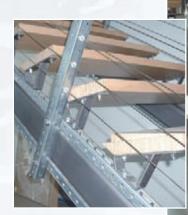




Office Stairway

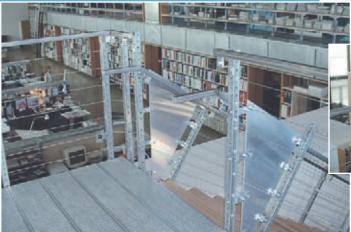
Good design and functionality describe this staircase in an architectural design firm. Using Telestrut[®] for strength and as a design element.







Integrated Office & Laboratory Components







Flooring & Railings

After climbing the Telestrut created stairway, feel safe with the Interlock Grating flooring and railings made of Telestrut.



Office Workstation

Telestrut provides the means to define a workspace in an open area while slotted channel provides a stable and flexible surface to accommodate users of different heights and preferences.









Office Shelving with Attached Rolling Ladder

The rolling ladder, made up of Telestrut and channel, helps workers access the many books contained on the shelving units supported and built with channel. 









Furniture Store



This furniture store is an excellent example of functional components as part of the overall architectural look. The challenge was to build internal display areas that were easily reconfigured, yet were strong enough to support wall hangings and stand up to the minor bumps associated with moving furniture in and out.

The wall panels are constructed of Unistrut channel using post bases to protect the concrete floor. Overhead lighting was provided by a circular drop created with curved Unistrut channel.

The result is functional, cost effective and aesthetically appealing.

Integrated Office & Laboratory Components





Awning Support



Laboratory Table

r 1 These laboratory tables make use of the Unistrut metal framings raceway capability to provide convenient electrical outlets. The column load offered by the vertical channels support the top shelf even when lab equipment is stored there.







Telecom Caging

This Telecom Security Caging System designed to meet today's security requirements for the Internet server industry. This versatile system provides security for Internet server equipment while allowing trouble-free future modifications. Developed from versatility and adaptability features.









Unistrut metal framing was used to construct movable vertical partitions to separate the static displays in the museum. The partitions were both straight and curvilinear. The curvilinear partitions ranged from a radius of 8 to 12 foot. The partitions are being used to support LCD flat panel monitors and shelving for displays.





Unistrut design and installed boom support systems.

Medical Equipment Supports

From basic X-ray machines to large integrated boom systems, to complying with seismic regulations, Unistrut can design and install the support system needed to meet your requirements. The ceiling tile flanges can be installed directly on the Unistrut Metal Framing flush with the bottom of the channel opening creating a clean, unobtrusive look consistent with today's equipment room aesthetics. Medical supports designed from Unistrut Metal framing have many advantages over conventional supporting methods including adjustability, mechanical connections, adaptability, and fast and efficient installation.

Final adjustment can be made after all components are in place, to assure precise horizontal alignment.



Multi-rail support system with Telespar drops.





Overhead Support System A Unistrut trolley system designed to support heavy equipment is suspended by heavy-duty adjustable drops fabricated from Telespar tubing. Unistrut metal framing is often used for medical support systems that meet today's demanding equipment supporting and facility requirements.



Light Support System



Equipment Boom Support System





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Therapy Support Systems for Children's Re-hab Center

Unistrut metal framing is often used to support rehabilitation equipment.

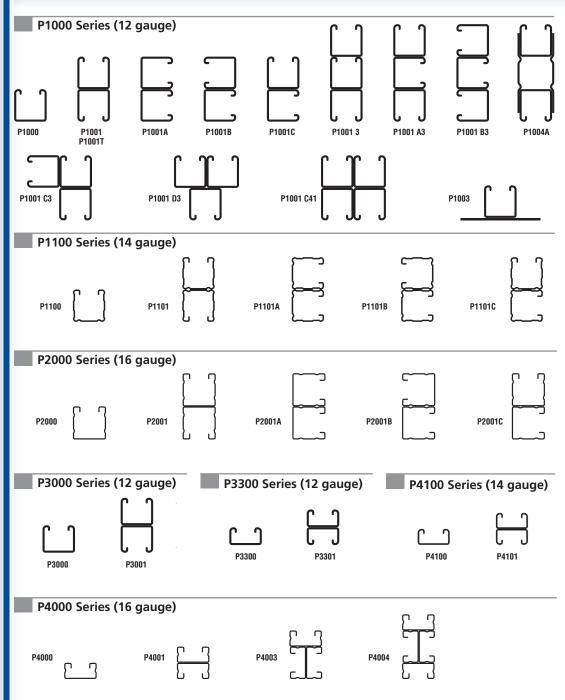


BEFORE & AFTER— Overhead Support System

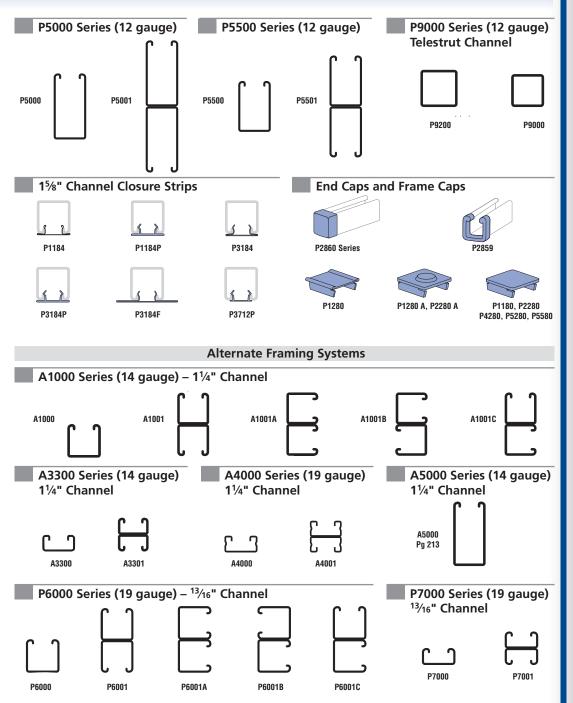
Showing a cut-away view of exposed interstitial grid and the finished ceiling.



Unistrut 1⁵/8" Channel



Unistrut[®] 1⁵/8" Channel



Telestrut[®] Telescoping Tubing Telestrut Telescoping Tubing 15/8" x 15/8" 1⁷/8" x 1⁷/8" 12 Ga. 12 Ga. P9000 P9200 Special Fittings and Connection Hardware for Telestrut Telescoping Tubing 00 0 P9324 P9011 P9014 P9012 P9013 P9207 P9209 P9010 Standard 1⁵/₈" Metal Framing – Flat Plate Fittings 0000 90 P1925 P1065 P1924 P1066 P1067 P2079 00 P1941 P1036 P1380A P1334 P1380 P1873 00

P1726

P1953

P1358

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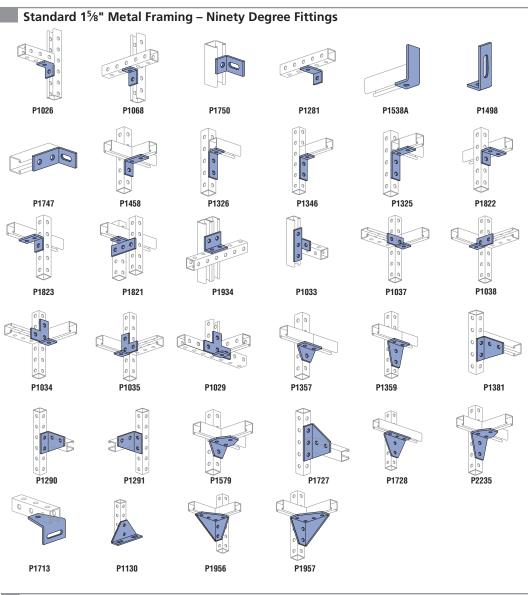
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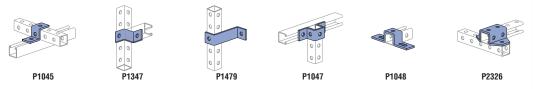
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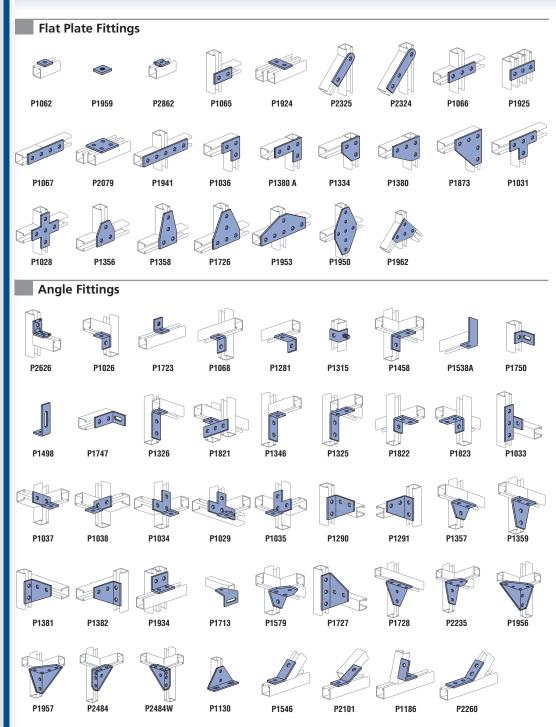
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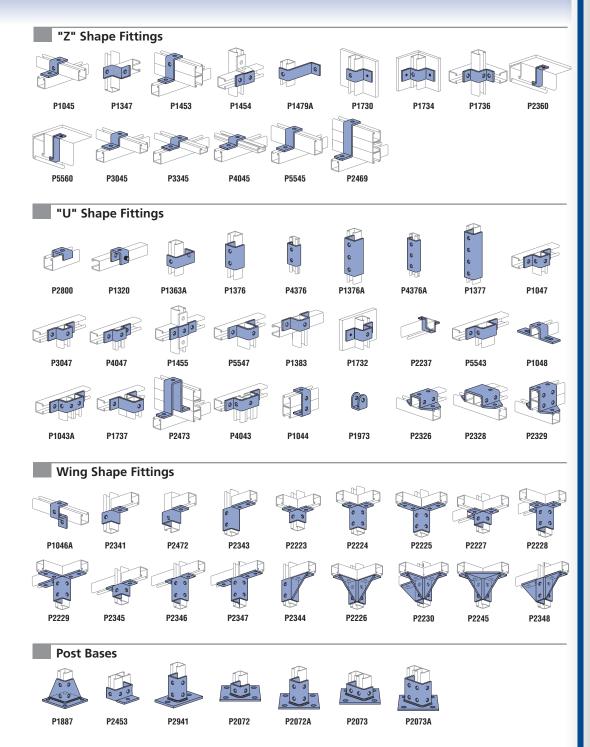


Standard 1⁵/₈" Metal Framing – "Z" and "U" Shape Fittings

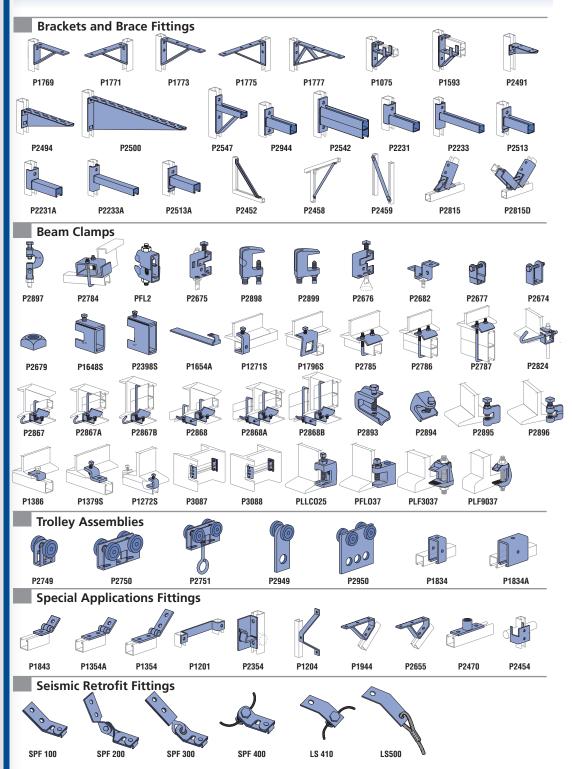


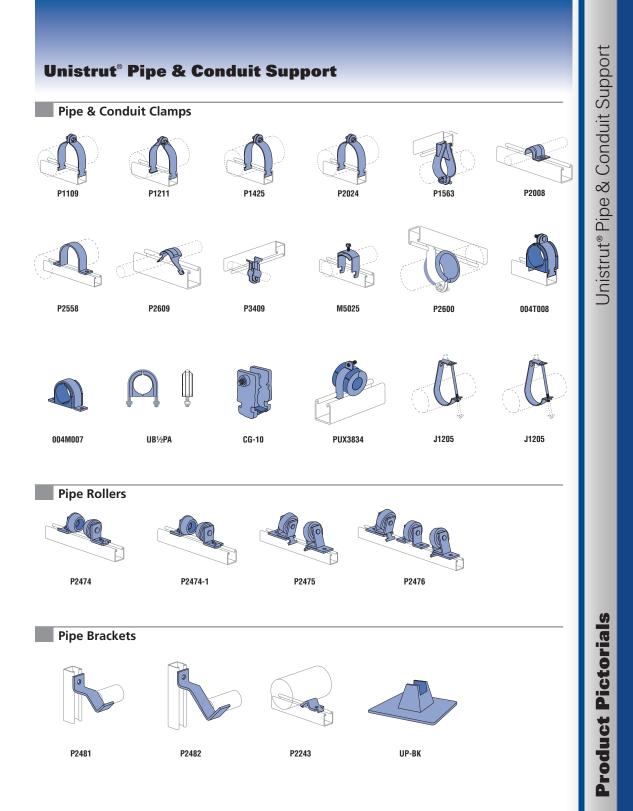
Unistrut[®] General Fittings



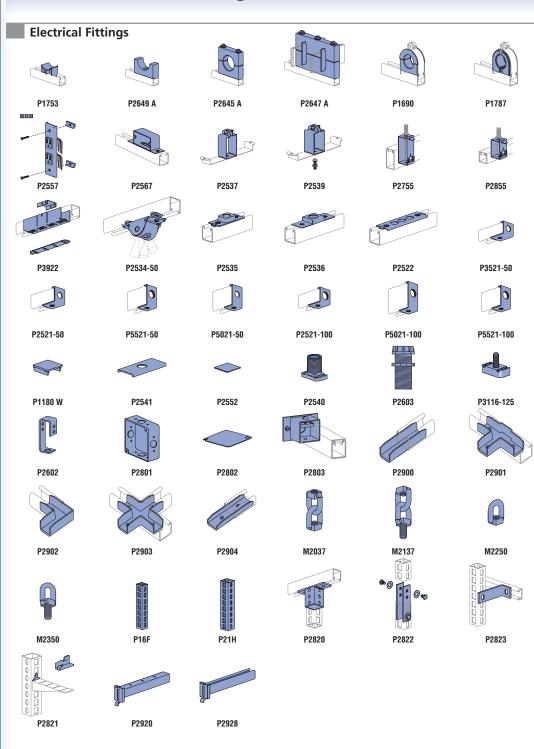


Unistrut[®] General Fittings





Unistrut[®] Electrical Fittings



Unistrut[®] Concrete Inserts

Product Pictorials

Unistrut[®] Concrete Inserts Light Duty **Heavy Duty** Land and have P3349 P3352 P3354 P3754 **Standard Duty** P3249 P3253 P3253 P3165 P2865 **Spot Inserts and Components** P3245 P3245N4 M24 M2506 P3700 P2407 P1703 P3663 Fiberglass Concrete Inserts **Closure Strips** P3712 P1184 PVC Heavy Duty Standard Duty Light Duty P1184

Channel Nuts



Heavy Duty



Heavy Duty



Standard Duty

Ctor.

Standard Duty

P3184

Ligh

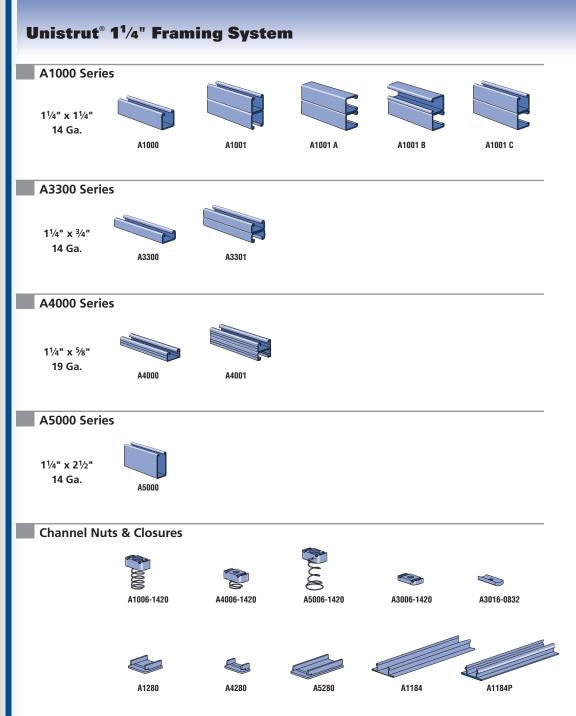
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Light Duty

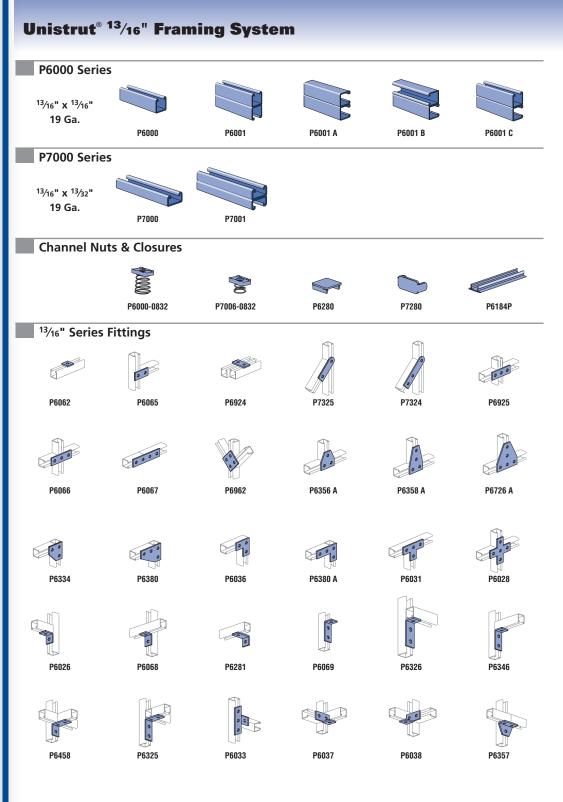
Light Duty

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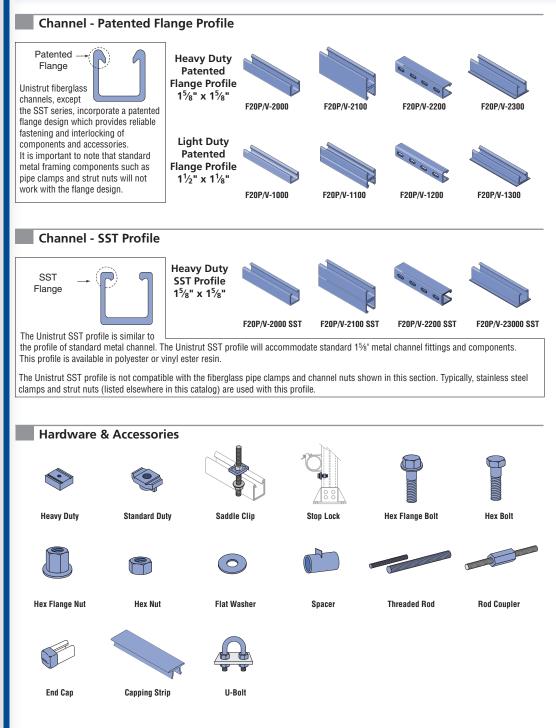


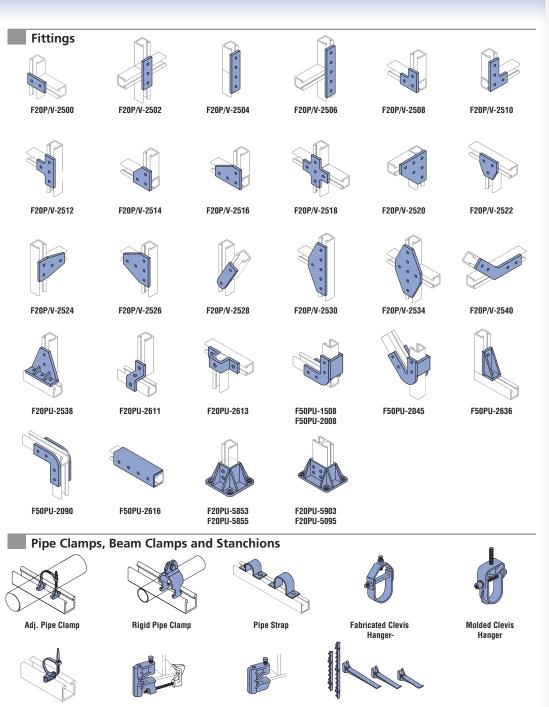






Unistrut[®] Fiberglass System





Molded

Beam Clamp

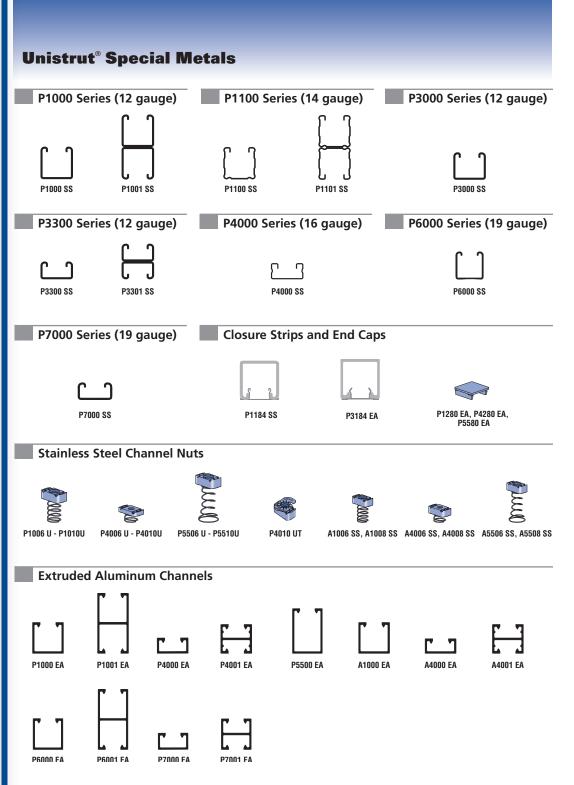
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Telestrut® Telescoping Tubing
Unistrut [®] 1 ¹ / ₄ " Framing System
Unistrut ^{® 13} /16" Framing System
Unistrut [®] 1 ⁵ /8" Channel
Unistrut® Concrete Inserts
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Unistrut [®] Special Metals

UNISTRUT PRODUCT



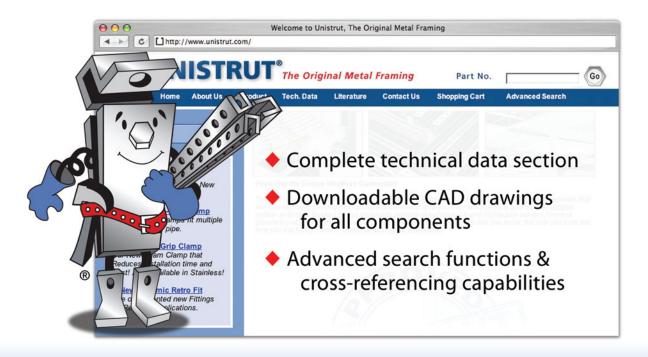
or Call 1-800-521-7730

for more information on these & other Unistrut Metal Framing Products.



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