

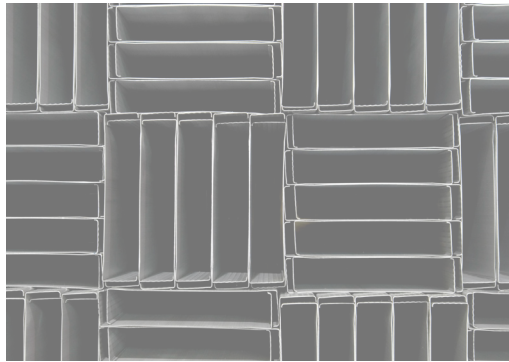
MILL STEEL

F R A M I N G

www.millsteelframing.com | 812.670.4195 | info@millsteel.com

ABOUT US

Mill Steel Framing, formerly Steel Structural Products, offers a variety of metal framing products for the commercial and residential construction industries. We are dedicated to providing excellent service, quality products, and reliable delivery. Headquartered in Grand Rapids, MI, with regional processing and distribution facilities in Jeffersonville, IN, Birmingham, AL, and Houston, TX.



WHAT WE OFFER

High quality, compliant, metal framing products for use in commercial and residential industries.

STRUCTURAL STUDS

- Gauge: 12 - 20
- Web: 2 ½" - 12"
- Flange 1 3/8" - 3 ½"

ProSTUD® & ProTRAK®

- Gauge: 20-25
- Web: 1 5/8" - 6"

ACCESSORIES

Full line including, but not limited to:

- Angles
- Strapping
- Furring Channels
- USG Shaftwall
- Cold Rolled Channel
- Slotted Slip Track
- Resilient Furring Channel
- Full Line of Clips

STEEL FRAMING

Saving you time and money through our commitment to supply framing components that meet specifications every time.



HIGH CALIBER PRODUCTS

Our metal framing products include both structural and drywall studs, as well as accessories. We are a licensed manufacturer of ProSTUD and ProTRAK.



CREDIBLE & COMPLIANT

We hold ourselves to a strict adherence of industry standards. Our structural and drywall products are certified as code-compliant by the Steel Framing Industry Association (SFIA).



DEPENDABLE DELIVERY

With us, your time is well spent. Our stock inventory is readily available for immediate shipment. And, we guarantee short lead times for non-stock orders - which means reduced inventory in your yard!

www.millsteelframing.com | 812.670.4195



LEED Credit

Steel framing components manufactured by Mill Steel Framing may qualify for the following LEED® credits:



Materials and Resources: Credit 2.1 & 2.2 Construction - Waste Management

Mill Steel Framing metal framing is 100% recyclable.



Materials and Resources: Credit 4.1 & 4.2 - Recycled Content

Mill Steel Framing metal framing products and accessories contain approximately 25.5% post-consumer and 6.8% pre-consumer recycled content.



Materials and Resources: Credit 5.1 & 5.2 - Regional Materials

Mill Steel Framing products will be produced at our facilities in Jeffersonville, IN and Birmingham, AL. An estimated 70% of our raw materials originates from AK Steel in Middletown, OH.

<http://www.usgbc.org/leed>

*USGBC and it's related logo are trademarks owned by the U.S. Green Building Council and are used by permission.

ASTM INTERNATIONAL CONFORMANCE



All Mill Steel Framing metal framing products conform to ASTM C 955 Standard Specification for Load Bearing (Transverse and Axial) Steel Studs, Runners (Tracks), and Bracing and Bridging for Screw Application of Gypsum Panel Products and Metal Plaster Bases, ASTM C 645 Standard Specification for Nonstructural Steel Framing Members and ASTM A 653 Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dipped Process. All are applicable ASTM Specifications for cold formed steel framing members as published in our technical manuals and listed on the attached Certification of Materials. You may access a copy of our technical manuals at www.millsteelframing.com.

Mill Steel Framing is a licensed manufacturer of ProSTUD® and ProTRAK®. All ProSTUD® and ProTRAK® products are manufactured to Clark Dietrich's design specifications.

Mill Steel Framing is a member of the Steel Framing Industry Association and Certified Code Compliant Facility.

http://www.archtest.com/certification/SFIA_SteelFraming_Intertek.aspx

MATERIAL CERTIFICATION:

CODE APPROVALS AND PERFORMANCE



We certify and guarantee that materials supplied by Mill Steel Framing meet or exceed the ASTM International Standards and comply with the requirements of the Federal Specifications for each product as indicated.

ASTM INTERNATIONAL DESIGNATIONS:

ASTM C 955	Standard specification for loadbearing (transverse and axial), steel studs, runners (tracks), and bracing or bridging for screw application of gypsum panel products and metal plaster bases.
ASTM A 1003	Standard specification for steel sheet, carbon, metallic, and non-metallic coated for cold-formed framing members.
ASTM C 645	Standard specification for non-structural steel framing members.
ASTM A 653	Standard specification for steel sheet, zinc-coated (galvanized) or zinc-iron alloy coated (galvannealed) by the hot-dip process.

Products are designed in accordance with American Iron & Steel Institute (AISI) Specification for the Design of Cold-Formed Steel Structural Members, latest addition and addenda.

WHAT IS AN EQ DRYWALL STUD?

Gauge equivalent drywall framing must meet the minimum performance requirements of conventional drywall framing as defined by the Steel Framing Industry Association (SFIA). The industry's "EQ" product of choice, ProSTUD,[®] employs roll-forming and steel-making technology, exceeding the performance of conventional drywall framing for allowable moment and screw connection strength. When comparing drywall framing systems, it is important to keep in mind Life Safety, System Performance and Connections. The ProSTUD Drywall Framing System provides peace of mind for all three important functions by providing the right selection of products and product data for every application.

ProSTUD[®] PROFILE INFORMATION

Web Widths: 1-5/8", 2-1/2", 3-1/2", 3-5/8", 4", 5-1/2", & 6"

Flange: 1-1/4"

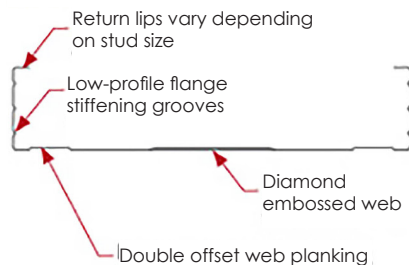
Lip: Varies by stud size

MATERIAL THICKNESSES:

- ProSTUD 25 / 15mil (25ga. EQ) 50ksi
- ProSTUD 20 / 18mil (20ga. EQ) 70ksi
- ProSTUD 30MIL 33ksi
- ProSTUD 33MIL 33ksi



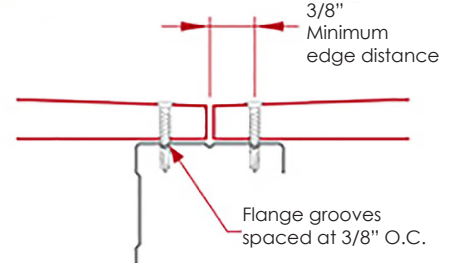
ProSTUD Profile



Shipping / Stacking



Drywall Joint

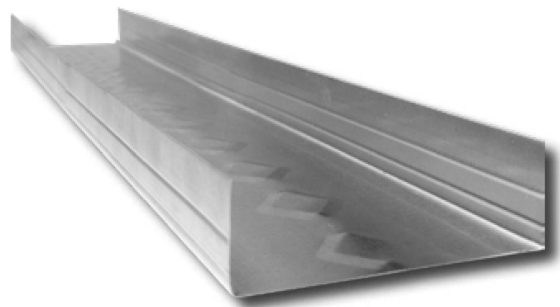


ProTRAK

- Web Widths: 1-5/8," 2-1/2," 3-1/2," 3-5/8," 4," 5-1/2," and 6"
- Legs: 1," 1-1/4," 1-1/2," 2," 2-1/2," and 3"

MATERIAL THICKNESSES:

- ProTRAK 25 / 15mil (25ga EQ) 50ksi
- ProTRAK 20 / 18mil (20ga EQ) 50ksi
- ProTRAK 30MIL 33ksi
- ProTRAK 33MIL 33ksi

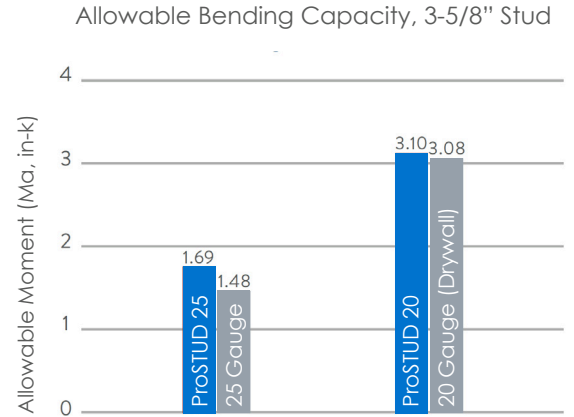


LIFE SAFETY

Life Safety is the primary concern and duty of all construction and design professionals. For interior drywall framing members, bending strength is the criteria most important to the strength of a wall or ceiling. AISI defines bending or flexural strength by Allowable Moment. The corresponding chart compares the bending strength of ProSTUD and conventional drywall studs.

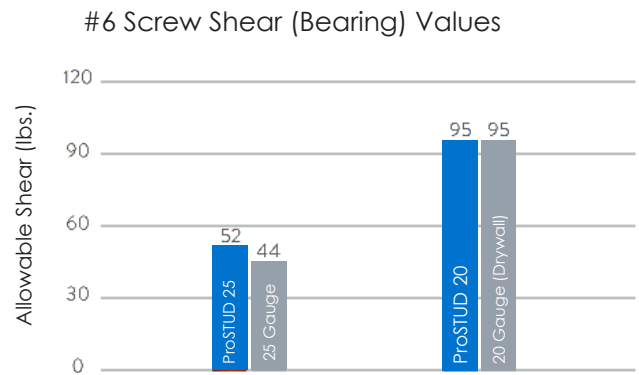
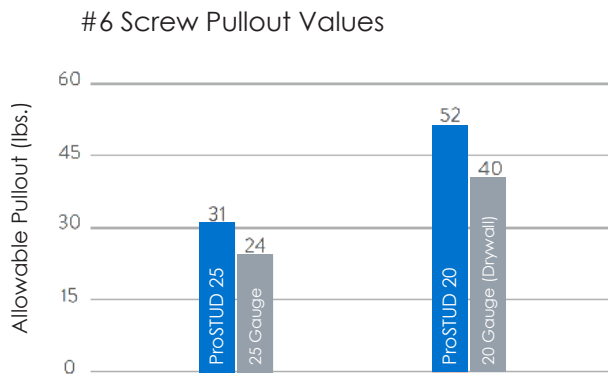
SYSTEM PERFORMANCE

Given ProSTUD's strength and versatility, it is important to know the performance of the ProSTUD under your project's specific criteria. The data contained in this web site will provide guidance in a variety of assemblies and loading criteria, based on current building codes.



CONNECTIONS

In addition to sufficient member strength, it's important to know how connections will perform. Connections can be critical to the capacity and safety of an assembly, but they are also important for the attachment of cabinets, shelving, handrails, and other accessories to steel framing. The tables below compare the screw performance of ProSTUD to conventional drywall framing. This performance relationship to conventional studs can be applied to a variety of fasteners and connections.



Along with connection capacity, conventional framing members are required to meet performance criteria for screw spinout. ProSTUD was developed with screw performance in mind. High-strength steel, flange stiffening grooves, web embossments, and knurling features combine to provide the best performance per thickness, exceeding the requirements of ASTM C645.

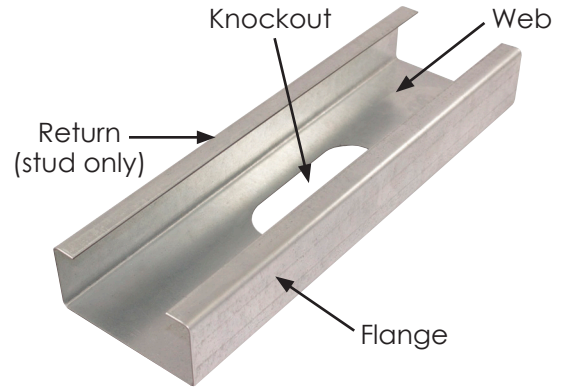


STUD AND JOIST

Studs are a general purpose framing component used in a number of applications including exterior curtain walls, load bearing walls, headers and floor and roof joists.

TRACK

Track is used as a closure to stud and joist ends as well as framing components to heads and sills. Note: 10' is the standard length. Custom lengths available upon request.



STRUCTURAL STUD PROFILE INFORMATION

WEB WIDTHS	2 1/2"	3 5/8"	4"	6"	8"	10"	12"
FLANGE	1 5/8"	2"	2 1/2"	3"	3 1/2"		

RETURN: Varies by part

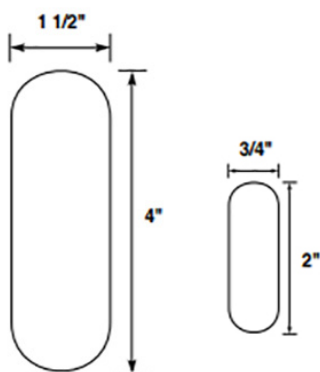
MATERIAL THICKNESS

GAUGE	20	18	16	14	12
MILS	33 (33ksi)	43 (33ksi)	54 (50ksi)	68 (50ksi)	97 (50ksi)

WEB PUNCH-OUT SIZE AND LOCATION

Mill Steel Framing studs and joists are manufactured with punch-outs along the centerline of the web to accommodate plumbing and electrical installation. The punch-out is provided 12" from the indexed end and the intermediate punch-outs are placed at 24" o.c. intervals. The 34" by 2" punch-out is available for 2 1/2" web members only. Unpunched studs are available upon request.

Punch-Out Dimensions



Framing Components

