

MaxTrak® 2D (SLT/H)

Slotted Deflection and Drift Track for non-structural drywall framing

The MaxTrak 2D (SLT/H) system is a head-of-wall deflection track that is used for framing exterior curtain walls and non-load bearing interior walls. This system allows for vertical live load movement and horizontal seismic drift of the primary structure.

The slots in the track's legs are designed for a total allowable vertical movement of 1-1/2 inches (3/4" +/-). The MaxTrak 2D system is attached to the wall studs through vertical slots using waferhead screws creating a positive connection that allows for vertical movement and also eliminates the requirement for lateral bracing near the top of the wall stud.

The slots in the web, used for seismic design, are 4" long and spaced at 8" on center, staggered along the length of the member. The MaxTrak 2D system must be designed to take the end reaction of the wall studs (point loads) by using the allowable loads below.

Product Data & Ordering Information:

Material:	Grade 33ksi min. yield strength
Coating:	CP60 per ASTM C955 (G90 available)
Thickness:	33mils: 20ga, 0.0346" Design Thickness, 0.0329" Min. Thickness
Dimensions:	2-1/2" legs with an inside depth equal to the depth of the stud Available in 2-1/2", 3-5/8", 4", 5-1/2", 6" and 8" wide systems Vertical slots in leg are 0.22" wide x 1-1/2" long and spaced 1" o.c. Horizontal slots in web are 0.22" wide x 4" long and spaced 8" o.c.
Track length:	10'-0"



- Allows up to 1-1/2" (3/4" +/-) vertical deflection
- Allows up to 4" (2" +/-) horizontal drift
- Intertek CCRR-0205
- UL tested 1 & 2 hour systems
- Guideline at center of vertical slots

33mil (20ga) MaxTrak 2D Allowable Loads with ProSTUD® Drywall Framing:

33mil MaxTrak	ProSTUD 25 (15mil, 50ksi)	ProSTUD 20 (18mil, 70ksi)	ProSTUD 30mil (33ksi)	ProSTUD 33mil (33ksi)
Allowable Load	52 lbs	88 lbs	156 lbs	156 lbs
Wall Height	15'-7"	26'-5"	46'-10"	46'-10"

- Allowable loads are based on screws through the slots located 1-1/4" from the track web.
- #8 wafer head screws shall be used for stud-track connection.
- The above table is applicable to ProSTUD members only.
- ProSTUD allowable heights must be checked also.
- Allowable heights are based on 5psf and wall stud spacing at 16"o.c. with a max. gap of 7/8".

For MaxTrak 2D connection details, and fire rated assembly details on either of these systems, refer to www.clarkdietrich.com/MaxTrak.



Calculating MaxTrak point load:

$$\text{Point Load (P)} = (\text{wind pressure PSF}) \times (\text{spacing FT}) \times (\text{wall length FT}) / 2$$

Example:

$$(5 \text{ PSF}) \times (1.33 \text{ FT}) \times (9.5 \text{ FT}) / 2 = 31.7 \text{ lbs}$$

Code Approvals & Performance Standards

- [AISI S100-16 \(2020\) w/S2-20](#) North American Specification for the Design of Cold-Formed Steel Structural Members
- [AISI S220-20](#) North American Standard for Cold-Formed Steel Framing - Nonstructural Members
 - (Compliant to ASTM C645, but IBC replaced with AISI S220 in IBC 2015)
 - Section A3 Material - Chemical & mechanical requirements (Referencing ASTM A1003/A1003M)
 - Section A4 Corrosion Protection (Referencing ASTM A653/A653M)
- [UL Designs 2079 Fifth Edition](#) Tests for Fire Resistance of Building Joint Systems
- [UL File Number R26034-XHLI](#) Full list of MaxTrak and RipTrak UL design assemblies
- [SDS For ASTM A1003 Steel Framing Products](#) For Interior Framing, Exterior Framing and Clips/Accessories

Sustainability Credits For more details and LEED letters contact Technical Services at 888-437-3244 or visit clarkdietrich.com/LEED.

- **LEED v4.1 MR Credit:** Environmental Product Declarations: EPD (1 point) - Sourcing of Raw Materials (up to 2 points) - Material Ingredients (1 point) - Construction and Demolition Waste Management (up to 2 points)
- **LEED v4 MR Credit:** Building Product Disclosure and Optimization: EPD (1 point) - Sourcing of Raw Materials (1 point) - Material Ingredients (1 point) - Construction and Demolition Waste Management (up to 2 points) - Innovation Credit (up to 2 points).