

MaxTrak® (SLT)

Slotted Deflection Track for non-structural drywall framing

The ClarkDietrich MaxTrak (SLT) 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 of the primary structure without transferring axial loads to the wall studs. The MaxTrak 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 track's legs are designed for a total allowable vertical movement of 1-1/2" (3/4" +/-). The MaxTrak 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:	G40EQ (G40 or G60 Available) for 30mil, CP60 for 33mil (G90 Available)
Thickness:	30mils: 20ga DW, 0.0312" Design Thickness, 0.0296" Min. 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 are 0.22" wide x 1-1/2" long and spaced every 1" o.c.
Track length:	10'-0"

MaxTrak Allowable Loads with ProSTUD® Drywall Framing:

30mil MaxTrak	ProSTUD 25 (15mil, 50ksi)	ProSTUD 20 (18mil, 70ksi)	ProSTUD 30mil (33ksi)	ProSTUD 33mil (33ksi)
Allowable Load	45 lbs	76 lbs	148 lbs	148 lbs
Wall Height	13'-6"	22'-10"	44'-4"	44'-4"

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.

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)
- [Intertek CCRR-0205](#) MaxTrak - Code Compliance Research Report
 - For Structural Stud Framing (33mil and thicker)
- [Intertek CCRR-0207](#) Non-Structural Metal Framing
 - For Non-Structural Stud Framing (30 mil and thinner)
- [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



- Allows up to 1-1/2" (3/4" +/-) vertical deflection
- Intertek CCRR-0205 (33mil system only)
- UL tested 1 & 2 hour systems
- Guideline at center of vertical slots



Calculating MaxTrak point load:

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

Example:

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

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).