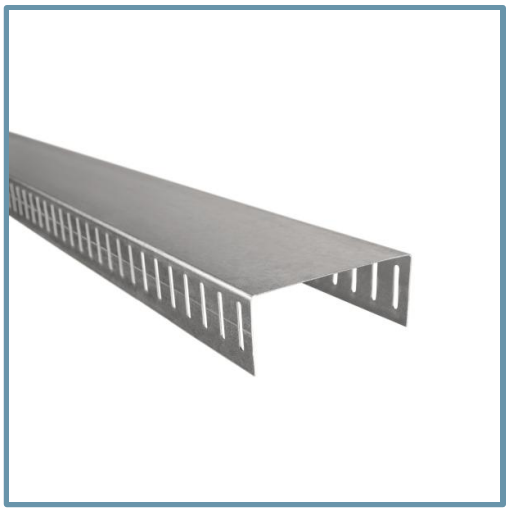
MaxTrak® (SLT)

Slotted Deflection Track for structural wall framing

The 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.



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

Product Data & Ordering Information:

Material

Yield Strength:	Grade 33ksi for 33mils & 43mils Grade 50ksi for 54mils & 68mils
Coating:	CP60 (G60, CP90 & G90 available) Per AISI S240
Thicknesses:	33mils: 20ga STR, 0.0346" Design Thickness, 0.0329" Min. Thickness 43mils: 18ga, 0.0451" Design Thickness, 0.0428" Min. Thickness 54mils: 16ga, 0.0566" Design Thickness, 0.0538" Min. Thickness 68mils: 14ga, 0.0713" Design Thickness, 0.0677" 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" or 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 Lateral Loads:

MaxTrak Thickness	Loads for single stud more than 12" from end of track	Loads for single stud within 12" of end of track (w/out splice)
33mil (20ga)	156 lbs	100 lbs
43mil (18ga)	205 lbs	133 lbs
54mil (16ga)	360 lbs	237 lbs
68mil (14ga)	537 lbs	355 lbs

- The minimum wall stud thickness must be equal to the selected slotted track thickness.
- #8 wafer head screws shall be used for 33 mil material sections. #10 wafer head screws for 43 mil and thicker sections.
- MaxTrak allowable lateral loads are based on a maximum gap between the top of the stud and the web of the track of 7/8".

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

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).

Code Approvals & Performance Standards

- AISI S100-16 (2020) w/S2-20 North American Specification for the Design of Cold-Formed Steel Structural Members
- AISI S240-20 North American Standard for Cold-Formed Steel Structural Framing
  - (Compliant to ASTM C955 , but IBC replaced with AISI S200 in IBC 2015, AISI S240 in IBC 2018)
  - Section A3 Material - Chemical & mechanical requirements (Referencing ASTM A1003/A1003M)
  - Section A4 Corrosion Protection (Referencing ASTM A653/A653M)
  - Section C Installation - (Referencing ASTM C1007)
- Intertek CCRR-0205 MaxTrak - Code Compliance Research Report
  - For Structural Stud Framing (33mil and thicker)
- 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