

## MaxTrak™ (SLT)

### Slotted Deflection Track for structural wall framing

The ClarkWestern 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: Yield Strength: Grade 33ksi for 33mils & 43mils  
Grade 50ksi for 54mils & 68mils  
Coating: G60 standard, G90 available  
33mils: 20 Ga.(STR), 0.0346" Design Thickness, 0.0329" Min. Thickness  
43mils: 18 Gauge, 0.0451" Design Thickness, 0.0428" Min. Thickness  
54mils: 16 Gauge, 0.0566" Design Thickness, 0.0538" Min. Thickness  
68mils: 14 Gauge, 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", 6" and 8" width systems  
- Vertical slots are 0.22" wide x 1-1/2" long and spaced every 1"o.c.  
- Track length = 10'-0"

#### ASTM & Code Standards:

- ASTM A653, C924, A1003, C645, C754, C955, C1002, C1007, E119, E814 and E1966.
- IAPMO #0145
- ANSI / UL 2079 and MaxTrak UL approved systems (See UL Fire Resistance Directory 42XE)
- MSDS & Product Certification Information is available at [www.clarkwestern.com](http://www.clarkwestern.com)

#### MaxTrak Allowable Lateral Loads:

| Section Thickness | Loads for single stud more than 12" from end of track. | Loads for single stud within 12" of end of track. (without 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.   |

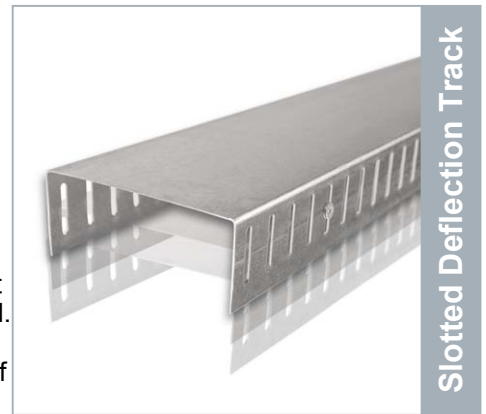
- The minimum wall stud thickness must be equal to the selected slotted track thickness.  
- #8 min. wafer head screws shall be used for 33 mil material sections. #10 min. wafer head screws for 43 mil and thicker sections

For MaxTrak maximum wall height charts, connection details, and fire rated assembly details on either of these systems, refer to: <http://www.clarkwestern.com>

#### GREEN Benefits and Recycled Content:

For more information on requesting LEED MR2, MR4 and MR 5 Credits, please contact Tech Support at 888-437-3244 or visit [www.clarkwestern.com](http://www.clarkwestern.com)

#### 05.40.00 (Cold-Formed Metal Framing)



- Allows up to 1-1/2" (3/4"±) vertical deflection
- IAPMO #0145 Approved
- UL Approved 1 & 2 hour systems
- Guideline at center of vertical slots

#### Calculating slip track point load:

Point Load (P) =  
(wind pressure PSF) x (spacing FT) x (wall stud length FT) / 2  
Example 1: (5 PSF) x (1.33 FT) x (9.5 FT) / 2 = 31.7 lbs.  
Example 2: (25 PSF) x (2 FT) x (20.0 FT) / 2 = 500 lbs.

#### Project Information

Name:  
Address:

#### Contractor Information

Name:  
Contact:  
Phone:  
Fax:

#### Architect Information

Name:  
Contact:  
Phone:  
Fax:

## MaxTrak™ 2D (SLT/H)

### Slotted Deflection and Drift Track for structural wall framing

The ClarkWestern 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 ( $\frac{3}{4}'' \pm$ ). 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: | Yield Strength: | Grade 33ksi for 33mils & 43mils<br>Grade 50ksi for 54mils & 68mils    |
|           | Coating:        | G60 standard, G90 available   |
|           |                 | 33mils: 20 Ga.(STR), 0.0346" Design Thickness, 0.0329" Min. Thickness |
|           |                 | 43mils: 18 Gauge, 0.0451" Design Thickness, 0.0428" Min. Thickness    |
|           |                 | 54mils: 16 Gauge, 0.0566" Design Thickness, 0.0538" Min. Thickness    |
|           |                 | 68mils: 14 Gauge, 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", 6" and 8" width 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"   |

#### ASTM & Code Standards:

- ASTM A653, C924, A1003, C645, C754, C955, C1002, C1007, E119, E814 and E1966.
- IAPMO #0145
- ANSI / UL 2079 and MaxTrak UL approved systems (See UL Fire Resistance Directory 42XE)
- MSDS & Product Certification Information is available at [www.clarkwestern.com](http://www.clarkwestern.com)

#### MaxTrak2D Allowable Lateral Loads:

| Section Thickness | Loads for single stud more than 12" from end of track. | Loads for single stud within 12" of end of track. (without 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.   |

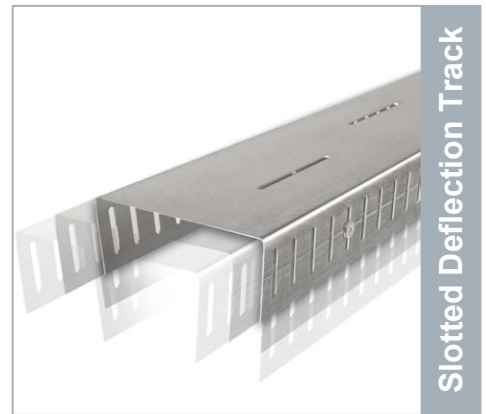
- The minimum wall stud thickness must be equal to the selected slotted track thickness.  
- #8 min. wafer head screws shall be used for 33 mil material sections. #10 min. wafer head screws for 43 mil and thicker sections

For MaxTrak2D maximum wall height charts, connection details, and fire rated assembly details on either of these systems, refer to: <http://www.clarkwestern.com>

#### GREEN Benefits and Recycled Content:

For more information on requesting LEED MR2, MR4 and MR 5 Credits, please contact Tech Support at 888-437-3244 or visit [www.clarkwestern.com](http://www.clarkwestern.com)

#### 05.40.00 (Cold-Formed Metal Framing)



Slotted Deflection Track

- **Allows up to 1-1/2" ( $\frac{3}{4}'' \pm$ ) vertical deflection**
- **Allows up to 4" (2"±) horizontal drift**
- **IAPMO #0145 Approved**
- **UL Approved 1 & 2 hour systems**
- **Guideline at center of vertical slots**

#### Calculating slip track point load:

Point Load (P) =  
(wind pressure PSF) x (spacing FT) x (wall stud length FT) / 2  
Example 1: (5 PSF) x (1.33 FT) x (9.5 FT) / 2 = 31.7 lbs.  
Example 2: (25 PSF) x (2 FT) x (20.0 FT) / 2 = 500 lbs.

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