

MaxTrak™ (SLT)

Slotted Deflection Track for structural wall 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" ($\frac{3}{4}'' \pm$). 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:	CP60 per ASTM C955 (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.clarkdietrich.com

MaxTrak Allowable Lateral Loads:

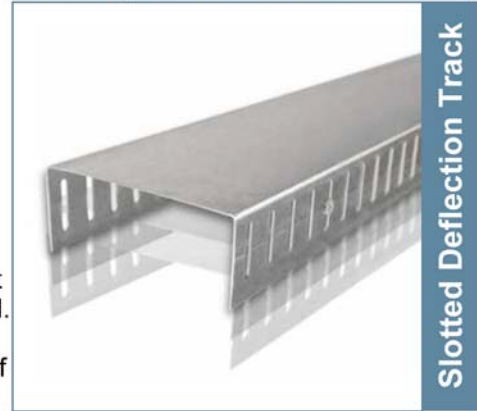
Section Thickness	Loads for single stud more than 12" from end of track.	Loads for single stud within 12" of end of track. (without splice)
33mil (20ga)	156 lbs.	100 lbs.
43mil (18ga)	205 lbs.	133 lbs.
54mil (16ga)	360 lbs.	237 lbs.
68mil (14ga)	537 lbs.	355 lbs.

- 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

- 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"

05.40.00 (Cold-Formed Metal Framing)



Slotted Deflection Track

- Allows up to 1-1/2" ($\frac{3}{4}'' \pm$) 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.

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: 30mils: 20 Ga. DW, 0.0312" Design Thickness, 0.0296" Min. Thickness
 33mils: 20 Gauge, 0.0346" Design Thickness, 0.0329" Min. Thickness
 Yield Strength: Grade 33ksi
 Coating: G40EQ for 30mil, CP60 for 33mil (G90 available)

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" wide 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, A924, A1003, C645, C754, C955, C1002, C1007, E119, E814 and E1966.
- IAPMO #0145 – Only on 33mil System
- ANSI / UL 2079 and MaxTrak UL approved systems (See UL Fire Resistance Directory 42XE)
- MSDS & Product Certification Information is available at www.clarkdietrich.com

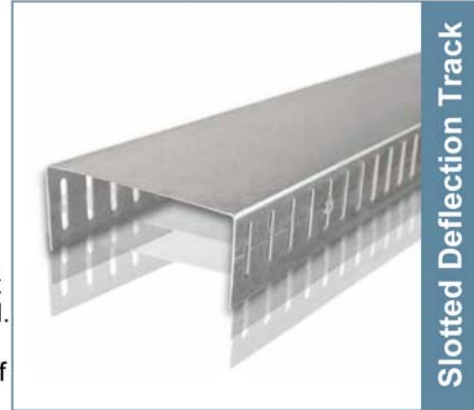
MaxTrak Allowable Loads with ProSTUD™ Drywall Framing

30mil MaxTrak	ProSTUD 25 (15mil, 50ksi)	ProSTUD 20 (19mil, 65ksi)	ProSTUD 30mil (33ksi)	ProSTUD 33mil (33ksi)
Allowable Load	45 lbs.	85 lbs.	148 lbs.	148 lbs.
Wall Height	13'-6"	25'-6"	44'-4"	44'-4"

33mil MaxTrak	ProSTUD 25 (15mil, 50ksi)	ProSTUD 20 (19mil, 65ksi)	ProSTUD 30mil (33ksi)	ProSTUD 33mil (33ksi)
Allowable Load	52 lbs.	99 lbs.	156 lbs.	156 lbs.
Wall Height	15'-7"	29'-7"	46'-10"	46'-10"

- Allowable loads are based on screws through the slots located 1-1/4" from the track web.
- #8 minimum 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".

09.22.16 (Non-Structural Metal Framing)



Slotted Deflection Track

- Allows up to 1-1/2" (3/4"±) vertical deflection
- IAPMO #0145 Approved (33mil system only)
- 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.

MaxTrak™ 2D (SLT/H)

Slotted Deflection and Drift Track for non-structural drywall framing

The ClarkDietrich 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: 33mils: 20 Ga., 0.0346" Design Thickness, 0.0329" Min. Thickness
 Yield Strength: Grade 33ksi
 Coating: CP60 per ASTM C955 (G90 available)

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" 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"

ASTM & Code Standards:

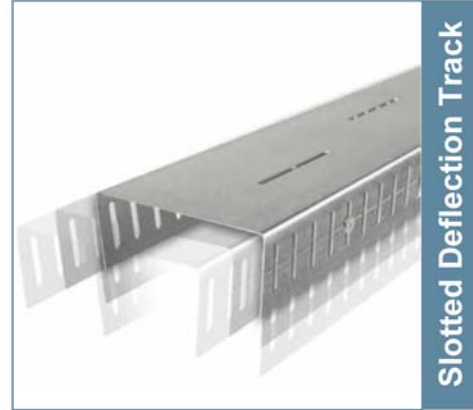
- ASTM A653, A924, A1003, C645, C754, C955, C1002, C1007, E119, E814 and E1966.
- IAPMO #0145
- ANSI / UL 2079 and MaxTrak UL approved systems (See UL Fire Resistance Directory 42XE)
- MSDS & Product Certification Information is available at www.clarkdietrich.com

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

33mil MaxTrak	ProSTUD 25 (15mil, 50ksi)	ProSTUD 20 (19mil, 65ksi)	ProSTUD 30mil (33ksi)	ProSTUD 33mil (33ksi)
Allowable Load	52 lbs.	99 lbs.	156 lbs.	156 lbs.
Wall Height	15'-7"	29'-7"	46'-10"	46'-10"

- Allowable loads are based on screws through the slots located 1-1/4" from the track web.
- #8 minimum 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".

09.22.16 (Non-Structural Metal Framing)



- **Allows up to 1-1/2" ($\frac{3}{4}'' \pm$) vertical deflection**
- **Allows up to 4" ($2'' \pm$) 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.

MaxTrak™ 2D (SLT/H)

Slotted Deflection and Drift Track for structural wall framing

The ClarkDietrich 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
 Grade 50ksi for 54mils & 68mils

Coating: CP60 per ASTM C955 (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:

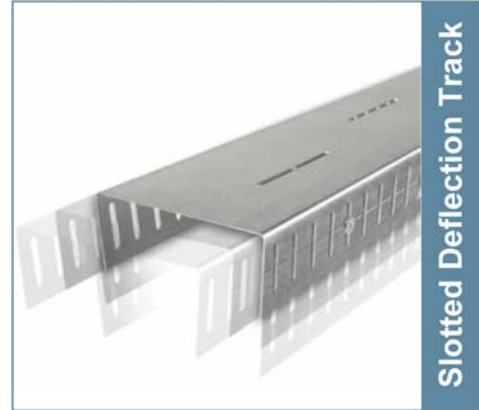
- ASTM A653, C924, A1003, C645, C754, C955, C1002, C1007, E119, E814 and E1966.
- IAPMO #0145
- ANSI / UL 2079 and MaxTrak UL approved systems (See UL Fire Resistance Directory 42XE)
- MSDS & Product Certification Information is available at www.clarkdietrich.com

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
- 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"

05.40.00 (Cold-Formed Metal Framing)



- **Allows up to 1-1/2" ($\frac{3}{4}'' \pm$) vertical deflection**
- **Allows up to 4" ($2'' \pm$) 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.