

## Slotted Deflection and Drift Track for structural wall framing

The Slotted Drift Track (SLDT) 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" (3/4" +/-). The 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 SLDT 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 50ksi for 33 mils, 43mils, 54mils & 68mils  
Coating: Min G60 ASTM C955 (G90 available)  
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 3-5/8", 4" and 6" wide systems  
Vertical slots in leg are 0.22" wide x 1-1/2" long and spaced 1" OC  
Horizontal slots in web are 0.22" wide x 4" long and spaced 8" OC  
Track length = 10'-0"

### ASTM & Code Standards:

- ASTM A653, C645, C754, C955, C1002, C1007, E119, E814 and E1966.
- ANSI / UL 2079.

### Allowable Lateral Loads:

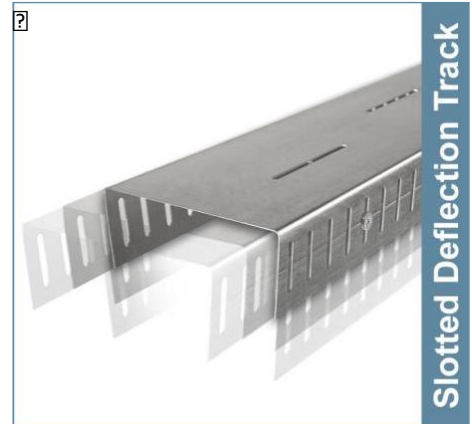
Section Thickness	Loads for single stud more than 12" from end of track	Loads for single stud within 12" of end of track (w/out splice)
33mil (20ga)	156 lbs	100 lbs
43mil (18ga)	205 lbs	133 lbs
54mil (16ga)	360 lbs	237 lbs
68mil (14ga)	537 lbs	355 lbs

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

**Sustainability:** Unless otherwise specified, our products are Red List Free, including the additional passivation coating ("chem treat"). We use a chromium VI-free chem treat known as "RoHS Compliant Chemical Treatment -SDS Gardolene D6812."

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## 05.40.00 (Cold-Formed Metal Framing)



- Allows up to 1-1/2" (3/4" +/-) vertical deflection
- Allows up to 4" (2" +/-) horizontal drift
- 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.

### Project Information

Name:  
Address:

### Contractor Information

Name:  
Contact:  
Phone:  
Fax:

### Architect Information

Name:  
Contact:  
Phone:  
Fax: