Product Data Sheet

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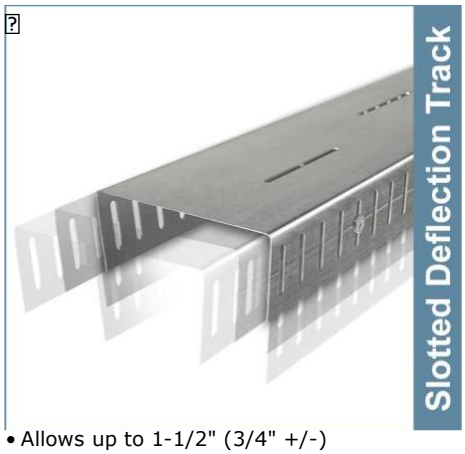
Slotted Deflection and Drift Track for structural wall framing

05.40.00 (Cold-Formed Metal 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.



- 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

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

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.

- 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." Please understand that our Red List Free chem treat necessitates a longer lead time (up to 90 days if we do not have a specific coil in inventory) in obtaining steel sheet coils from our steel mills. To the extent that a shorter lead time is necessary, our customers have the option to place special orders for studs with the non-Red List-free chem treat.

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Project Information	Contractor Information	Architect Information
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