

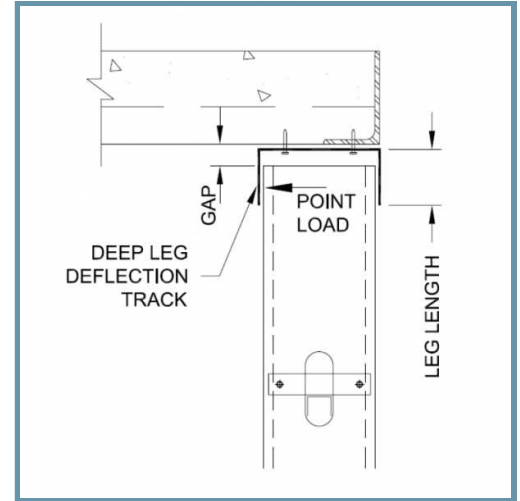
## Deep Leg Deflection Track (Slip Track) - Structural

### Structural deflection track for interior & exterior walls

A single deep leg track system allows the top of the wall stud to float within the track legs. This connection allows for vertical live load movement of the primary structure without transferring axial loads to the wall studs. The wall studs are not fastened to the deflection track and a row of lateral bracing is required within 12" of the deep leg track to prevent rotation and lateral movement of the studs. The deflection track system must be designed for the end reaction of the wall studs (point loads) and for the specific gap required for vertical deflection.

### Product Data & Ordering Information:

<b>Material:</b>	Yield Strength: Grade 33ksi or 50ksi
	Coating: CP60 per ASTM C955 (G90 available)
	33mils, 20ga Structural, 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
<b>Dimensions:</b>	68mils: 14 Gauge, 0.0713" Design Thickness, 0.0677" Min. Thickness
	97mils: 12 Gauge, 0.1017" Design Thickness, 0.0966" Min. Thickness
	2", 2-1/2" or 3" legs with an inside depth equal to the depth of the stud.
	Standard depths available: 2-1/2", 3-5/8", 4", 6" and 8".
	Custom depths available by special orders.



### 2" Leg with 1/2" Gap

Allowable Deflection Track Point Loads					
Yield Strength	33mils (20ga)	43mils (18ga)	54mils (16ga)	68mils (14ga)	97mils (12ga)
33ksi	113	163	213	N/A	N/A
50ksi	N/A	247	323	435	729

### Calculating slip track point load:

Point Load (P) =  
 (wind pressure PSF) x (spacing FT) x (wall length FT) / 2

Example: (5 PSF) X (1.33 FT) x (9.5 FT) / 2 =  
 31.7lbs

### 2-1/2" Leg with 3/4" Gap

Allowable Deflection Track Point Loads					
Yield Strength	33mils (20ga)	43mils (18ga)	54mils (16ga)	68mils (14ga)	97mils (12ga)
33ksi	75	123	158	N/A	N/A
50ksi	N/A	187	240	318	519

### 3" Leg with 1" Gap

Allowable Deflection Track Point Loads					
Yield Strength	33mils (20ga)	43mils (18ga)	54mils (16ga)	68mils (14ga)	97mils (12ga)
33ksi	56	96	129	N/A	N/A
50ksi	N/A	145	195	256	411

#### Table Notes:

1. Values above are designed for wall stud spacing at 16" o.c.
2. Lateral bracing is required within 12" of deflection track to prevent wall studs from rotating.
3. Values are based on equations from AISI North American Standard for CFSF- Wall Stud Design (S211-07).
4. Stud failure modes relating to the deflection track connection (shear, web crippling, etc.) must be checked separately.

### ASTM & Code Standards:

#### AISI S240-15 - North American Standard for Cold-Formed Steel Structural Framing

- Section A3 - Material - Chemical & mechanical requirements (Referencing ASTM A1003/A1003M)
- Section A4 - Corrosion Protection (Referencing ASTM A653/A653M)
- Section A5 - Products - Thickness, shapes, tolerances, identification
- Section C - Installation - (Referencing ASTM C1007)

#### AISI S202-15 - Code of Standard Practice for Cold-Formed Steel Structural Framing

- Section F3 - Delivery, Handling and Storage of Materials

#### ClarkDietrich's structural framing comply with:

- SFIA Code Compliance Certification Program
- ICC-ES ESR-1166P
- ICC-ES ESR-1166P - LABC and LARC Supplement
- SDS & Product Certification Information is available at [www.clarkdietrich.com/SupportDocs](http://www.clarkdietrich.com/SupportDocs)