

Double Deflection Track (Slip Track)

Structural deflection track for interior & exterior walls

A double deep leg track system allows the top of the wall system to float within the top track legs. This connection allows for vertical live load movement of the primary structure without transferring axial loads to the wall studs. The top track is made with an oversized width to fit around the bottom track. The bottom deep leg track is attached to the wall studs to prevent stud rotation eliminating the need for lateral bracing 12" from the slip track system. 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:

Material: Yield Strength: Grade 33ksi or 50ksi
Coating: G60 standard, G90 available
33mils: 20 Ga. 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
68mils: 14 Gauge, 0.0713" Design Thickness, 0.0677" Min. Thickness
97mils: 12 Gauge, 0.1017" Design Thickness, 0.0966" Min. Thickness

Dimensions:

Bottom Track: 3", 3-1/2" or 4" legs with an inside depth equal to the depth of the stud.
Top Track: 2", 2-1/2" or 3" legs with an inside depth 1/4" more than the depth of stud.
- Standard depths available: 3-5/8", and 6"

ASTM & Code Standards:

- Structural framing is produced to meet or exceed ASTM C955, A653 and A1003
- Galvanized sheet steel meets or exceeds requirements of ASTM A924
- ClarkDietrich's structural framing comply with SSMA and ICBO Evaluation Report 4943P
- For installation & storage information refer to ASTM C1007
- MSDS & Product Certification Information available at www.clarkdietrich.com

Allowable Deflection Track Point Loads:

2" Leg Top Track & 3" Leg Bottom Track with 1/2" Gap - Allowable Point Load					
Yield Strength	33mils (20ga)	43mils (18ga)	54mils (16ga)	68mils (14ga)	97mils (12ga)
33ksi	113	192	258	N/A	N/A
50ksi	N/A	291	391	512	821

2-1/2" Leg Top Track & 3-1/2" Leg Bottom Track with 3/4" Gap - Allowable Point Load					
Yield Strength	33mils (20ga)	43mils (18ga)	54mils (16ga)	68mils (14ga)	97mils (12ga)
33ksi	75	128	172	N/A	N/A
50ksi	N/A	194	261	341	547

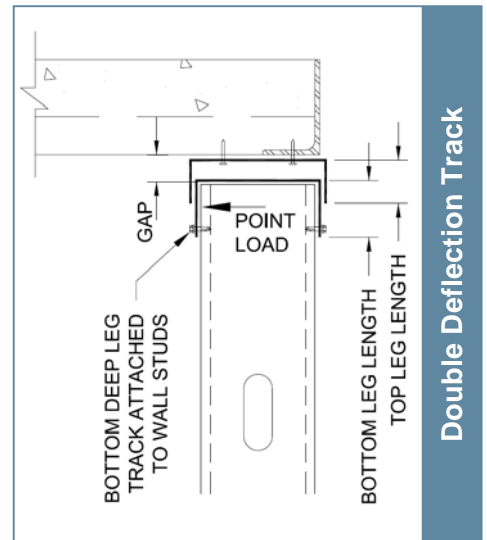
3" Leg Top Track & 4" Leg Bottom Track with 1" Gap - Allowable Point Load					
Yield Strength	33mils (20ga)	43mils (18ga)	54mils (16ga)	68mils (14ga)	97mils (12ga)
33ksi	56	96	129	N/A	N/A
50ksi	N/A	145	195	256	411

Table notes:

1. Values above are designed for wall stud spacing at 16"o.c.
2. Bottom track serves only to restrain studs and distribute a uniform bearing. This track may be 33mils (20ga).
3. Values are based on equations from AISI North American Standard for CFSF – Wall Stud Design (S211-07)

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05.40.00 (Cold-Formed Metal Framing)



Calculating slip track point load:

Point Load =
(wind pressure PSF) x (spacing FT) x (wall stud length FT) / 2
Example:
(20 PSF) x (1.33 FT) x (15.5 FT) / 2 = 206.6 lbs.

Project Information

Name: cavobuilderssupplies.com
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Contractor Information

Name:
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Architect Information

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