

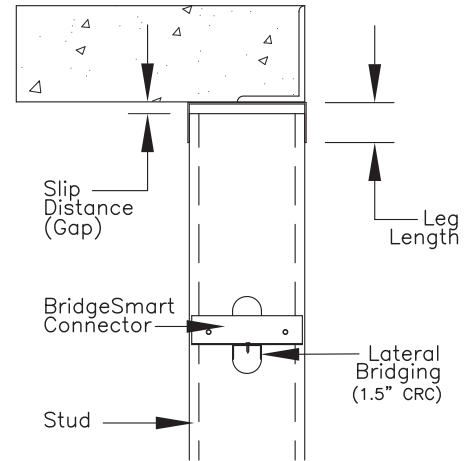
Product Category: Deflection Track 05.40.00
Product Name: Single Leg Deflection (Slip) Track

Product Description:

The single leg deflection track is part of a head of wall deflection system. The system allows for vertical movement of the primary structure above the track to move without transferring any vertical loads to the stud wall. The studs do not get fastened to the deflection track and a row of lateral bridging must be installed within 12" of the track to prevent movement and rotation of the studs.

Material:

33mil - 20 gauge, 0.0346" design thickness, 0.0329" min thickness (33ksi).
 43mil - 18 gauge, 0.0451" design thickness, 0.0428" min thickness (33ksi).
 54mil - 16 gauge, 0.0566" design thickness, 0.0538" min thickness (33ksi).
 54mil - 16 gauge, 0.0566" design thickness, 0.0538" min thickness (50ksi).
 68mil - 14 gauge, 0.0713" design thickness, 0.0677" min thickness (50ksi).
 97mil - 12 gauge, 0.1017" design thickness, 0.0966" min thickness (50ksi).
 ASTM A1003 coating.



2" Leg Deflection Track with 1/2" Slip Distance					
Yield Strength	33mils (20ga)	43mils (18ga)	54mils (16ga)	68mils (14ga)	97mils (12ga)
33ksi	113	163	213	n/a	n/a
50ksi	n/a	n/a	323	435	729
2-1/2" Leg Deflection Track with 3/4" Slip Distance					
Yield Strength	33mils (20ga)	43mils (18ga)	54mils (16ga)	68mils (14ga)	97mils (12ga)
33ksi	75	123	158	n/a	n/a
50ksi	n/a	n/a	240	318	519

Notes:

1. Values calculated in accordance with AISI S240-15, B3.2.5.2
2. AISI S240-15, B3.2.5.2 includes 43mil through 68mil thickness. 33mil and 97mil values are extrapolated using AISI equations. No additional safety factor has been used for extrapolated values.
3. Minimum stud spacing considered = 16 inches. Listed allowable reactions may not apply to stud spacings less than 16 inches on center.
4. AISI S240-15 B3.2.5.2 includes nominal track depths between 3.5 and 6 inches and stud flange widths between 1.625 and 2.5 inches.
5. All values prepared by Devco Engineering.
6. This document, dated 7/1/17, supercedes all previous versions.