RAPIDEX FORMING

SUBMITTAL SHEET

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TITAN EQ TRACK

for 2-1/2" Titan EQ studs · 25EQ (15 mil) · top and bottom runner

Member
T212125-15

Project	
Contractor	
Architect / Engineer	
Submitted by	
Date	

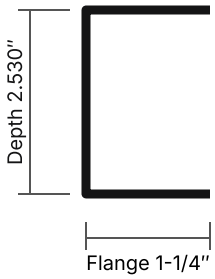
Review
- ☐ Approved
- ☐ Approved as noted
- ☐ Revise and resubmit

Reviewed by / date

PRODUCT DATA

ESR-5121 Section 3 and Table 5

Member designation	**T212125-15**
Depth (outside to outside of flanges)	**2.530 in**
Flange	**1.25 in**
Inside corner radius	**0.04 in**
Design thickness (t)	**0.0150 in (15 mil)**
Minimum delivered thickness	**0.0143 in (95% of t)**
Steel	**ASTM A653 SS Grade 33 or 50, Class 1**
Yield strength (Fy), properties	**33 ksi**
Coating	**G40 minimum**
Punchouts	**None (unpunched)**
Use with	**Titan EQ Stud ST212125-15**



Unpunched

SECTION PROPERTIES

ESR-5121 Table 7 · Fy = 33 ksi · design thickness 0.0150 in

GROSS PROPERTIES

Weight	lb/ft	**0.255**
Area	in^2	**0.075**
Ix	in^4	**0.080**
Sx	in^3	**0.063**
rx	in	**1.035**
Iy	in^4	**0.012**
ry	in	**0.401**

EFFECTIVE PROPERTIES

Ixe	in^4	**0.046**
Sxe	in^3	**0.027**
Ma-L	lb-in	**530**
Vag	lb	**123**

TORSIONAL PROPERTIES

J × 1000	in^4	**0.006**
Cw	in^6	**0.014**
Xo	in	**-0.772**
Ro	in	**1.352**
β		**0.674**

Effective properties do not incorporate the strength increase from the cold work of forming. Allowable moment is for Allowable Strength Design (ASD) (AISI S100-16 (2020) w/S2-20). Ma-L and Vag are listed in ESR-5121 in thousands (kip-in, kips) and shown here in lb-in and lb. For composite wall limiting heights, see the Titan EQ Stud submittal sheet for the matching stud; in composite walls, fastening the stud to the track is optional and stud end bearing must be at least 1".

Interior nonload-bearing walls only; other than non-structural use (AISI S220) is outside the scope of ESR-5121. Install per the applicable code, the approved plans and ESR-5121. Delivered base-metal thickness at least 95% of design. Members stamped at 96" o.c. max. with Rapid Ex Forming, ESR-5121, designation, minimum thickness, yield strength and coating.

ICC-ES EVALUATED · ESR-5121

Titan EQ Stud line studs and tracks are evaluated in ICC-ES Evaluation Report ESR-5121 (report holder: Rapid Ex Forming Corp.) for the 2024, 2021, 2018 and 2015 International Building Code (IBC). The ESR-5121 CA Supplement covers the 2025 California Building Code (CBC).

Issued August 2026. The report remains under an active continuous compliance program through the end of August 2027. Check the current listing at icc-es.org.

Scan for the listing

Disclaimer. All data, details and specifications herein are a general guide for using Rapidex Forming products. These products should not be used in design or construction without evaluation by a qualified engineer or architect to determine their suitability for a specific application. Where this sheet and ICC-ES ESR-5121 differ, the evaluation report governs. Rapidex Forming assumes no liability for failure resulting from the use or misapplication of computations, details or specifications contained herein, or for damages resulting from improper application, handling or installation of these products.