TRACK · STANDARD, DEEP-LEG & RIM

U-shaped track that holds studs at the top and bottom of walls, frames openings and caps joist ends



STANDARD



DEEP-LEG

PRODUCT 04 · FRAMING

Track is the U-shaped member that holds steel studs at the top and bottom of a wall. It has a flat web and two plain legs, with no lips and no knockouts. Its width matches the stud depth, so the studs fit inside the legs and are screwed through them.

Track also frames headers and sills at openings, closes the ends of joists as rim track, and nests with a stud to make a closed box member.

- 121 sizes, 1-5/8" to 14" wide
- 1-1/4" standard legs, 2" and 3" deep legs
- 18 mil for interior walls; 33 to 97 mil for structural framing
- Same four-part part number as our studs

WIDTHS	LEGS	THICKNESS	SIZES	LENGTH	COATING
1-5/8" – 14"	**1-1/4" · 2" · 3"**	**18 – 97 mil**	**121**	**10' standard**	**G40 · G60**

1 THREE KINDS OF TRACK

STANDARD TRACK

1-1/4" leg · 41 sizes

Top and bottom of walls, headers, sills, blocking and box members. The everyday track for interior and structural framing.

DEEP-LEG TRACK

2" or 3" leg · 80 sizes

Long legs at the head of a wall, so studs can stay free while the structure above moves.

RIM TRACK

6" to 14" deep · joist depths

Track in the same depth as the joists, used to cap the joist ends (see DS-03). Usually 1-1/4" legs; longer legs where the design calls for them.

2 PART NUMBER

600	T	125	-54
WEB DEPTH 1/100 in · 600 = 6"	**MEMBER** T = track	**LEG** 1/100 in · 125 = 1-1/4"	**THICKNESS** mils · 54 = 0.054" min.

Width and leg in 1/100 inch, T for track, thickness in mils. Example: 600T125-54 is a 6" track with 1-1/4" legs in 54 mil; 600T200-54 is the same track with 2" legs. Order by part number, length and quantity.

FITS THE STUD

Track width matches stud depth, 1-5/8" to 14"

THREE LEG HEIGHTS

1-1/4" standard, 2" and 3" deep-leg

INTERIOR & STRUCTURAL

18 mil for partitions, 33 to 97 mil for structure

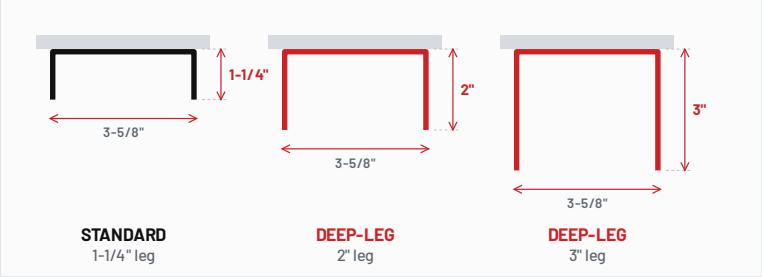
STEEL

Steel is a non-combustible material

PROFILE & LEGS

One shape, three leg heights, and how studs fit into track

3 PROFILE & LEG HEIGHTS

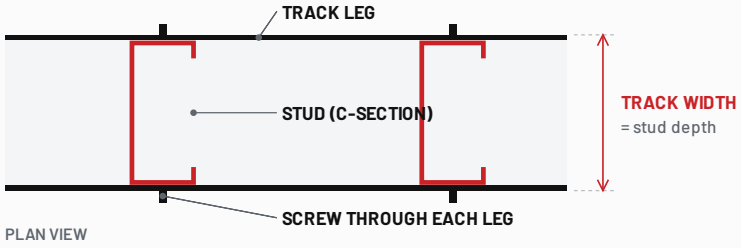


AT A GLANCE

SHAPE	U-section, plain legs, no lips
WIDTHS	1-5/8" · 2-1/2" · 3-5/8" · 4" · 6" · 8" · 10" · 12" · 14"
LEGS	1-1/4" · 2" · 3"
PUNCHING	None; track is unpunched
THICKNESS	18 · 33 · 43 · 54 · 68 · 97 mil
LENGTH	10' standard
COATING	G40 (18 mil) · G60 (33 mil +)

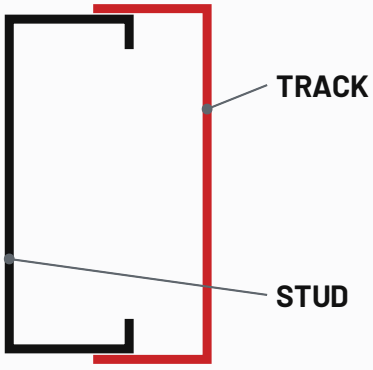
Drawn to scale on a 3-5/8" track; dimensions are nominal. Plan view and box member below are schematic, not to scale.

4 HOW A STUD SITS IN TRACK



The track's inside width equals the stud depth, so a 6" stud goes in 6" track. The stud sits on the track web and each stud flange is screwed to the track leg beside it, on both faces of the wall.

5 BOX MEMBERS



STUD + TRACK
closed box section

A stud and a track of the same size pushed toe-to-toe make a closed box, often used for jambs and headers when the design calls for it.

6 WHICH LEG?

LEG	TYPICAL USE	STUDS
1-1/4" standard	Top and bottom of walls where no movement is expected; headers, sills, blocking, rim track and box members	Screwed to both legs
2" deep-leg	Head of wall where the structure above may move a little	Not screwed to the track; held in line near the top by bridging or blocking as designed
3" deep-leg	Head of wall where more movement must be allowed, or where the design calls for a longer leg	As for 2"; enough stud must stay inside the legs at full movement

For guidance only. The design professional sets the track, leg, thickness, gap and fastening for each wall.

SIZES

121 track sizes · 9 widths · 3 leg heights · 6 thicknesses

7 SIZES OFFERED

WIDTH	STANDARD · 1-1/4" LEG · 41	DEEP-LEG · 2" LEG · 41	DEEP-LEG · 3" LEG · 39
1-5/8"	18 · 33	18 · 33	–
2-1/2"	18 · 33 · 43 · 54	18 · 33 · 43 · 54	18 · 33 · 43 · 54
3-5/8"	18 · 33 · 43 · 54 · 68 · 97	18 · 33 · 43 · 54 · 68 · 97	18 · 33 · 43 · 54 · 68 · 97
4"	33 · 43 · 54 · 68 · 97	33 · 43 · 54 · 68 · 97	33 · 43 · 54 · 68 · 97
6"	18 · 33 · 43 · 54 · 68 · 97	18 · 33 · 43 · 54 · 68 · 97	18 · 33 · 43 · 54 · 68 · 97
8"	33 · 43 · 54 · 68 · 97	33 · 43 · 54 · 68 · 97	33 · 43 · 54 · 68 · 97
10"	33 · 43 · 54 · 68 · 97	33 · 43 · 54 · 68 · 97	33 · 43 · 54 · 68 · 97
12"	43 · 54 · 68 · 97	43 · 54 · 68 · 97	43 · 54 · 68 · 97
14"	43 · 54 · 68 · 97	43 · 54 · 68 · 97	43 · 54 · 68 · 97

18 no colour · 33 white · 43 yellow · 54 green · 68 orange · 97 red

Numbers in each cell are thicknesses in mils; the dot is the thickness colour code. 121 sizes in all. Part number = width + T + leg + thickness, for example 362T125-33 or 800T300-68.

8 RIM TRACK DEPTHS

6"	8"	10"	12"	14"
600T125	800T125	1000T125	1200T125	1400T125

Rim track is track in the same depth as the joists, in 33 to 97 mil, usually with 1-1/4" legs (2" and 3" legs are also offered in these depths). Its thickness is set by the design, often the same as the joists. Joist details are on DS-03.

9 INTERIOR OR STRUCTURAL?

18 mil · interior
For non-load-bearing interior walls and ceilings, with our interior steel studs (DS-01). Members to ASTM C645.

33 – 97 mil · structural
For load-bearing walls, curtain walls and floors (DS-02, DS-03), and for interior walls that need a heavier member. Members to ASTM C955 or C645 as applicable.

WEIGHTS & MATERIAL

Approximate weights for handling, and the steel behind each thickness

10 APPROXIMATE WEIGHT, LB/FT

TRACK	18	33	43	54	68	97
162T125 · 1-5/8" × 1-1/4"	0.26	0.47	–	–	–	–
162T200 · 1-5/8" × 2"	0.35	0.65	–	–	–	–
250T125 · 2-1/2" × 1-1/4"	0.31	0.58	0.75	0.93	–	–
250T200 · 2-1/2" × 2"	0.41	0.75	0.98	1.22	–	–
250T300 · 2-1/2" × 3"	0.54	0.99	1.29	1.61	–	–
362T125 · 3-5/8" × 1-1/4"	0.39	0.71	0.92	1.15	1.44	2.02
362T200 · 3-5/8" × 2"	0.48	0.88	1.15	1.44	1.80	2.54
362T300 · 3-5/8" × 3"	0.61	1.12	1.46	1.82	2.29	3.24
400T125 · 4" × 1-1/4"	–	0.75	0.98	1.22	1.53	2.15
400T200 · 4" × 2"	–	0.93	1.21	1.51	1.89	2.67
400T300 · 4" × 3"	–	1.16	1.52	1.90	2.38	3.37
600T125 · 6" × 1-1/4"	0.54	0.99	1.29	1.61	2.02	2.85
600T200 · 6" × 2"	0.63	1.16	1.52	1.90	2.38	3.37
600T300 · 6" × 3"	0.76	1.40	1.82	2.28	2.86	4.06
800T125 · 8" × 1-1/4"	–	1.22	1.59	1.99	2.50	3.54
800T200 · 8" × 2"	–	1.40	1.82	2.28	2.86	4.06
800T300 · 8" × 3"	–	1.63	2.13	2.67	3.35	4.75
1000T125 · 10" × 1-1/4"	–	1.46	1.90	2.38	2.99	4.23
1000T200 · 10" × 2"	–	1.63	2.13	2.67	3.35	4.75
1000T300 · 10" × 3"	–	1.87	2.44	3.05	3.83	5.44
1200T125 · 12" × 1-1/4"	–	–	2.21	2.76	3.47	4.92
1200T200 · 12" × 2"	–	–	2.44	3.05	3.83	5.44
1200T300 · 12" × 3"	–	–	2.74	3.44	4.32	6.13
1400T125 · 14" × 1-1/4"	–	–	2.51	3.15	3.96	5.61
1400T200 · 14" × 2"	–	–	2.74	3.44	4.32	6.13
1400T300 · 14" × 3"	–	–	3.05	3.82	4.81	6.83

Approximate weights of the gross section from nominal dimensions and design thickness, base steel only. For handling and shipping estimates, not for design. 1 lb/ft = 1.488 kg/m.

11 MATERIAL

MILS	GAUGE REF.	MIN. THICKNESS	DESIGN THICKNESS	COLOUR	MIN. YIELD	COATING
18	25	0.018" · 0.46 mm	0.0188" · 0.48 mm	None	33 ksi	G40
33	20	0.033" · 0.84 mm	0.0346" · 0.88 mm	White	33 ksi	G60
43	18	0.043" · 1.09 mm	0.0451" · 1.15 mm	Yellow	33 ksi	G60
54	16	0.054" · 1.37 mm	0.0566" · 1.44 mm	Green	50 ksi	G60
68	14	0.068" · 1.73 mm	0.0713" · 1.81 mm	Orange	50 ksi	G60
97	12	0.097" · 2.46 mm	0.1017" · 2.58 mm	Red	50 ksi	G60

Steel to ASTM A1003, coating to ASTM A653. Minimum thickness is 95% of design thickness. Gauge is a reference only; order by mils. Yield and coating shown are the minimums commonly specified; the material certificate governs. Colour code is the industry convention for marking thickness.

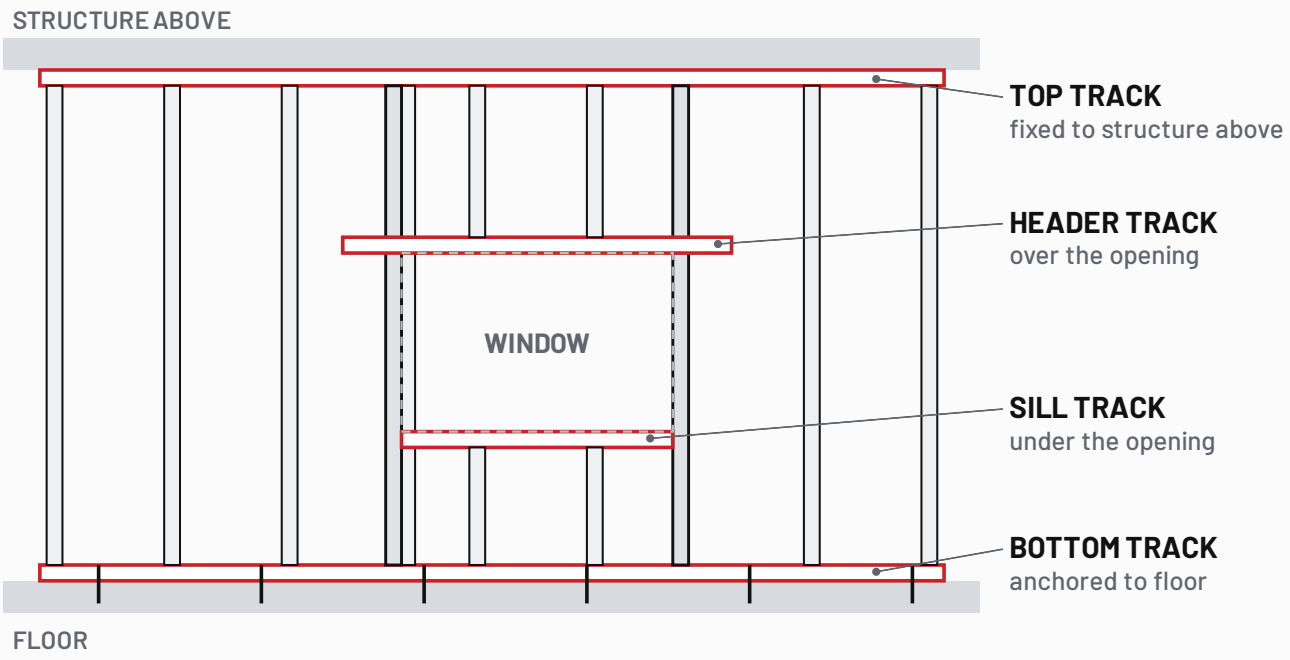
ESTIMATING A LOAD

Weight ≈ lb/ft × length × pieces. Example: 50 pieces of 600T125-54 at 10' = 500 ft × 1.61 lb/ft ≈ **804 lb** (365 kg). Add packing and allow for tolerance.

WHERE TRACK GOES

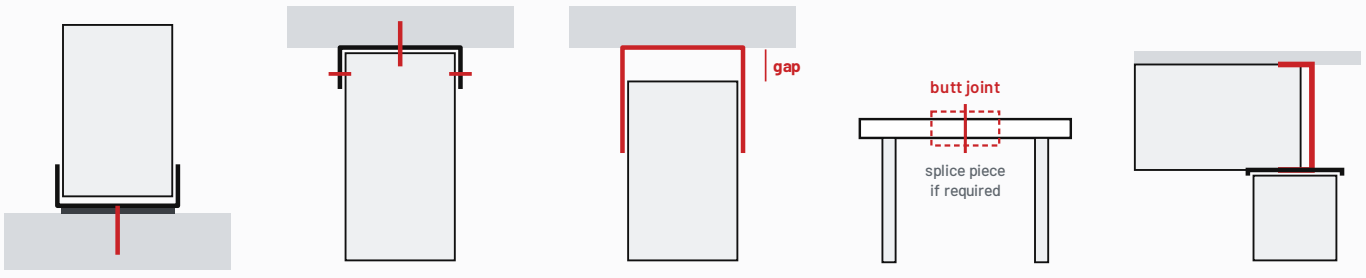
Top, bottom, openings, splices and joist ends

12 WHERE TRACK GOES IN A WALL



Top and bottom track run the full length of the wall. At an opening in a non-load-bearing wall, a length of track over the opening (header) and another under a window (sill) hold short cripple studs. In load-bearing walls, headers are designed members (see DS-02).

13 TYPICAL DETAILS



BOTTOM TRACK
anchor as designed

TOP TRACK
stud screwed to legs

DEEP-LEG HEAD
no screws into track

TRACK SPLICE
as the design shows

RIM TRACK
caps the joist ends

Bottom track. Fixed to the floor with anchors or fasteners at the spacing the design gives. A sill seal or gasket may go under it.

Top track. Fixed to the structure where no movement is expected. Each stud is screwed to both legs.

Deep-leg head. Studs are cut short and not screwed to the track, leaving the design gap. Board is not fastened to the track.

Track splice. Lengths are butted end to end and joined the way the design shows.

Rim track. Caps the joist ends, with a stud wall in line below where the floor bears.

NEED MORE MOVEMENT OR STUDS HELD IN LINE?

Slotted deflection track (DS-05) lets studs be screwed through slots in its 2-1/2" legs, so they stay in line while the structure moves. Deflection clips are another option where loads are higher.

INSTALLATION & STANDARDS

General guidance for installers and design professionals

14 TYPICAL INSTALLATION

1. Lay out the wall and openings on the floor and transfer the lines to the structure above.
2. Fix the bottom track to the floor with anchors or fasteners as the design requires.
3. Fix the top track (or deep-leg or slotted track) to the structure above, plumb over the bottom track.
4. Set each stud into both tracks, seated on the web, and screw each flange to the track leg on both faces. At a deep-leg head, leave the gap and do not screw.
5. Frame openings with header and sill track and cripple studs, or with the designed headers.
6. Butt and join track lengths as the design shows.

General information only, not installation instructions. Install to ASTM C754 or C1007 as applicable, the drawings and specifications, and applicable codes.

15 DO & DON'T

DO

- Match track width to stud depth
- Seat load-bearing studs tight to the web
- Use the thickness on the drawings
- Keep track straight and plumb
- Keep enough stud inside deep legs at full movement

DON'T

- Use 18 mil track in load-bearing walls
- Cut or notch legs unless the design allows
- Screw studs to a deep-leg head
- Treat track as a beam without design
- Fasten board to a deflection head track

16 STORAGE

Store bundles dry, off the ground and under ventilated cover. Support long lengths to stop sagging. Edges are sharp: use gloves and appropriate PPE.

17 STANDARDS

- ASTM C645 · non-structural members
- ASTM C955 · structural members
- ASTM A1003 · steel
- ASTM A653 · coating
- ASTM C754 · non-structural installation
- ASTM C1007 · structural installation
- CSA S136 · design
- AISI S240 · structural framing
- National Building Code of Canada

18 FASTENING

Studs are commonly fixed to track with self-drilling screws through each flange and leg. Track is fixed to concrete or steel with powder-actuated fasteners, screws or anchors. Type, size and spacing come from the design.

19 COMMON QUESTIONS

What is the difference between track and a stud?

Track has plain legs with no lips and no knockouts. It holds the studs; the studs carry the wall.

Which leg should I order?

Usually 1-1/4". Use 2" or 3" deep-leg at the head of a wall when the design allows for movement there.

Can track be used as a header?

Over openings in non-load-bearing walls, a track header is common practice. Headers in load-bearing walls are designed members.

Is rim track a different product?

No. It is track in joist depths, ordered with the same part numbers, for example 1000T125-54.

SPECIFYING & NOTICE

Checklist, submittals, specification guide and certification

20 BEFORE YOU ORDER: CHECKLIST

- Track width to match the studs or joists
- Leg: 1-1/4", 2" or 3"
- Thickness from the drawings or specification
- Lengths and quantities from the takeoff
- Studs, joists and screws to suit
- Anchors or fasteners to the floor and structure
- Head-of-wall gap, if deep-leg track is used

21 TYPICAL SUBMITTALS

- Product data for track, studs and fasteners
- Shop drawings showing track, openings and head-of-wall details
- Material test reports, when requested
- Proof of certification for the framing members

22 SPECIFICATION GUIDE

Track: U-shaped cold-formed steel track with unpunched web and plain legs, inside width to match the studs or joists, leg 1-1/4" unless deep-leg (2" or 3") is shown, thickness as shown on the drawings; steel to ASTM A1003, G40 (18 mil) or G60 (33 mil and heavier) coating to ASTM A653; members to ASTM C645 or C955 as applicable; Saturn Metal DS-04. Studs seated in track and screwed to both legs except at deep-leg deflection heads; track fixed to the floor and structure as shown on the drawings.

Certification: our cold-formed framing members are product certified by CISC to CSSBI 61:24. Certification covers only the members named in our current Product Scope Listing; confirm the status of a specific member with us before relying on it.
Related: interior steel studs DS-01 · load-bearing studs DS-02 · cold-formed joists DS-03 · slotted deflection track DS-05.
Technical questions and quotes: +1 (416) 746-8000 · Sales@SaturnMetal.ca · www.SaturnMetal.ca

IMPORTANT NOTICE

This data sheet gives general product information only. It is not engineering, design or installation advice. A qualified design professional must review every application, and the building code and project documents always govern. It does not give load capacities. Drawings are schematic and not to scale; dimensions are nominal and subject to standard tolerances. Values marked typical, approximate or commonly specified are for reference only. Standards are referenced by name for identification; always use the edition required by the governing code. Saturn Metal may change products and information without notice; confirm current data before ordering or specifying. Warranties and remedies, if any, are only those in Saturn Metal's written terms of sale. Names of standards bodies and certification programs belong to their owners. Saturn Metal is a manufacturer and/or supplier of metal products; this data sheet does not mean that the product shown is manufactured by Saturn Metal. © Saturn Metal