LSC

Adjustable Stringer Connector

The LSC adjustable stair-stringer connector offers a versatile, concealed connection between the stair stringer and the carrying header or rim board while replacing costly framing. Field slopeable to all common stair stringer pitches, the LSC connector is suitable for either solid or notched stringers.

Features:

- Replaces additional framing and toe-nailing.
- Suitable for most installations on 2x10 or 2x12 header/rim board.
- May be installed flush with the top of the carrying member or lower on the face.
- Interchangeable for left or right applications.
- LSCZ features a ZMAX® coating for additional corrosion protection. Suitable for interior and some exterior applications. LSCSS is made from stainless steel for higher exposure environment. See **strongtie.com/info** for more information.

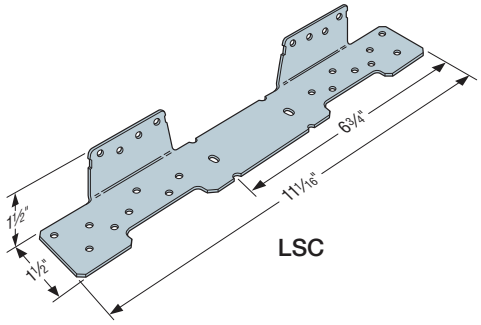
Material: 18 gauge

Finish: LSCZ — ZMAX® coating; LSCSS — Stainless steel

Installation:

- Use all specified fasteners, see table.
- Before fastening, position the stair stringer with the LSC on the carrying member to verify where the bend should be located.
- Tabs on the LSC must be positioned to the inside of the stairs.
- The fastener that is installed into the bottom edge of the stringer must go into the second-to-last hole.
- When installed on 1⅝" LVL or a 1¼" LSL stringer, additional items that will not affect the structural performance of the LSC, but should be considered, include the following:
  - LSC stringer flange will protrude ¼" from face of stringer. As such, it is recommended the LSC be installed with the tabs positioned to the outside of the stringer.
  - 1½" fasteners installed into 1¼" LSL stringer will protrude from the opposite side.

Codes: See p. 14 for Code Reference Key Chart



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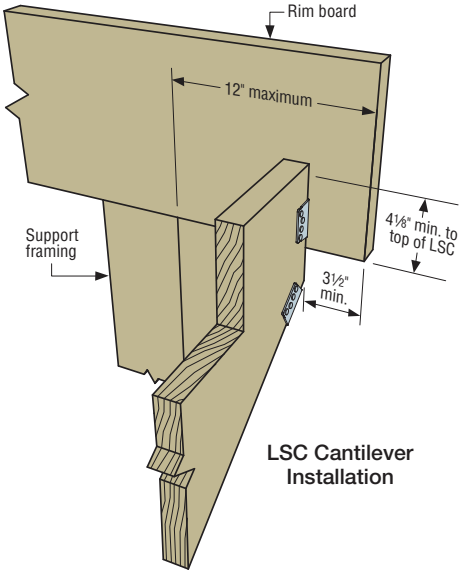
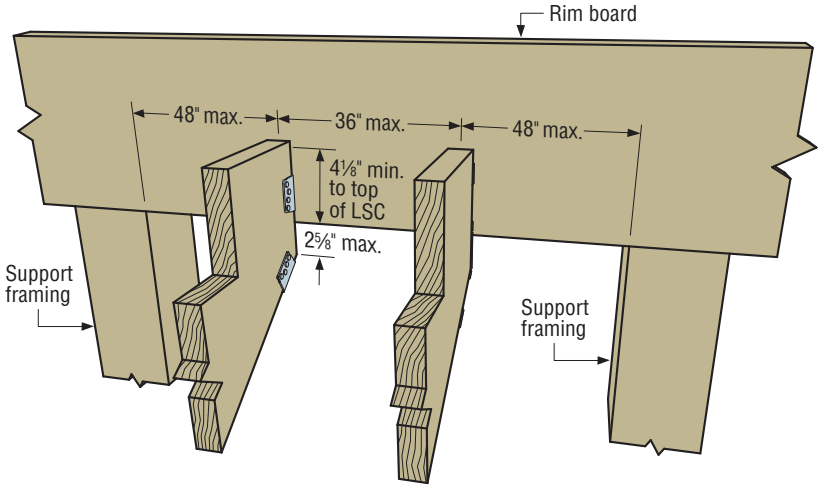


LSC Cantilever Installation



Standard LSC Installation

LSC

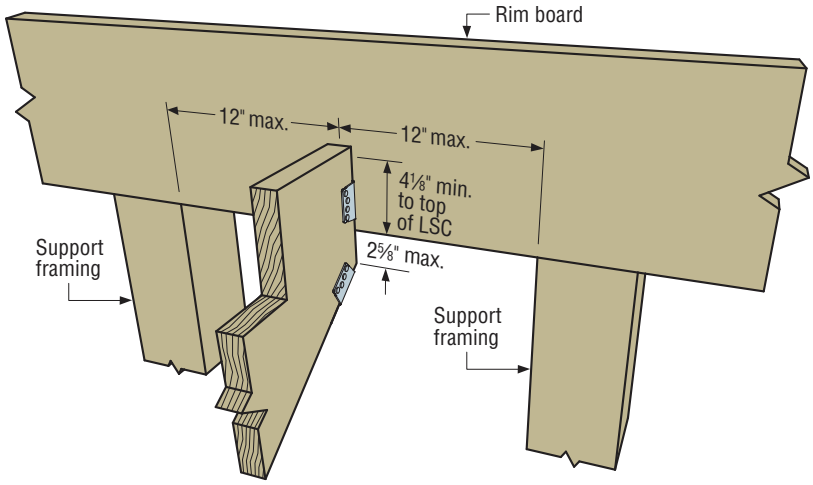
Adjustable Stringer Connector (cont.)

These products are available with additional corrosion protection. For more information, see p. 18.

These products are approved for installation with the Strong-Drive® SD Connector screw. See pp. 39–40 for more information.

Model No.	Rim Board Installation	Fastener Schedule			DF/SP Allowable Loads		SPF/HF Allowable Loads		Code Ref.
		Rim Board[2]	Stringer Wide Face	Stringer Narrow Face	Floor (100)	Snow (115)	Floor (100)	Snow (115)	
SS LSCZ LSCSS	Supported[4]	(8) 10d x 1½"	(8) 10d x 1½"	(1) 10d x 1½"	950	1000	815	860	IP6, FL, L26
	Supported	(8) SD #9 x 1½"	(8) SD #9 x 1½"	—	865	865	670	670	
	Standard	(8) 10d x 1½"	(8) 10d x 1½"	(1) 10d x 1½"	755	755	650	650	
	Standard	(8) SD #9 x 1½"	(8) SD #9 x 1½"	(1) SD #9 x 1½"	755	755	650	650	
	Cantilever	(8) 10d x 1½"	(8) 10d x 1½"	(1) 10d x 1½"	520	520	445	445	
	Cantilever	(8) SD #9 x 1½"	(8) SD #9 x 1½"	—	545	545	445	445	

1. Stair stringer must be minimum 1⅝" LVL or minimum 1¼" LSL. Allowable loads for DF/SP species material shall apply.
2. When cross-grain tension forces cannot be avoided in the members, mechanical reinforcement to resist such forces shall be considered.
3. Simpson Strong-Tie® #9 x 1½" Strong-Drive SD Connector screws may be substituted for 10d x 1½" nails to achieve published nail values if the extra screw is installed in the narrow face of stringer.
4. **Nails:** 10d x 1½" = 0.148" dia. x 1½" long. Nails shall be hot-dip galvanized for LSCZ and stainless steel for LSCSS. See pp. 26–27 for other nail sizes and information.
5. **Screws** (LSCZ only): SD #9 x 1½" (model SD9112) = 0.131" dia. x 1½" long (see pp. 39–40).



Supported LSC Installation