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 joist 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 joist
- 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 ***www.strongtie.com/info*** for more information

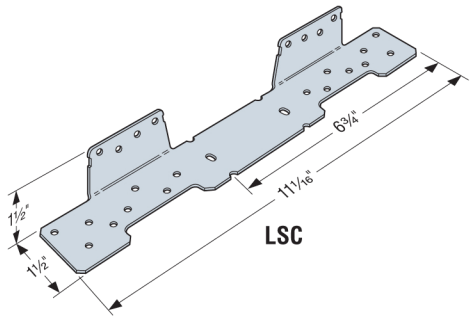
MATERIAL: 18 gauge

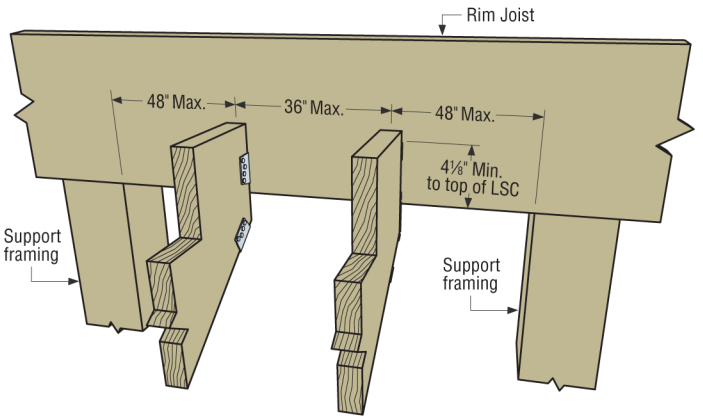
FINISH: LSCZ—ZMAX® coating; LSCSS—Stainless steel

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 page 13 for Code Reference Key Chart.





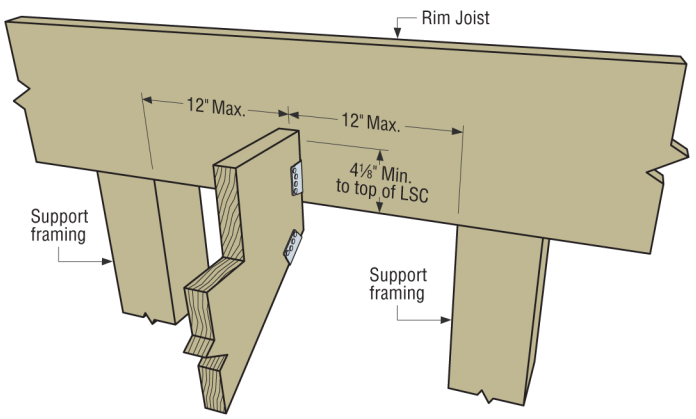
Standard LSC Installation

These products feature additional corrosion protection.

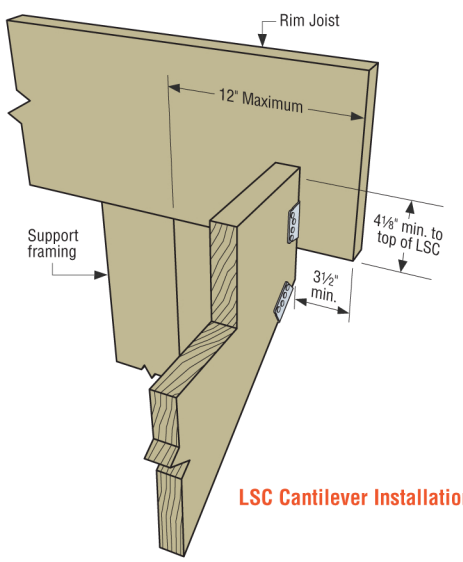
These products are approved for installation with the Strong-Drive SD Structural-Connector screw. See page 27 for more information.

Model No.	Rim Joist Installation	Fastener Schedule			DF/SP Allowable Loads		SPF/HF Allowable Loads		Code Ref.
		Rim Joist[2]	Stringer Wide Face	Stringer Narrow Face	Floor (100)	Snow (115)	Floor (100)	Snow (115)	
LSCZ LSCSS	Supported[4]	8-10dx1½"	8-10dx1½"	1-10dx1½"	950	1000	815	860	I18
	Supported	8-SD#9x1½"	8-SD#9x1½"	—	865	865	670	670	
	Standard	8-10dx1½"	8-10dx1½"	1-10dx1½"	755	755	650	650	
	Standard	8-SD#9x1½"	8-SD#9x1½"	1-SD#9x1½"	755	755	650	650	
	Cantilever	8-10dx1½"	8-10dx1½"	1-10dx1½"	520	520	445	445	
	Cantilever	8-SD#9x1½"	8-SD#9x1½"	—	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 may be considered.
3. A minimum distance of ¾" measured from the lowest rim-joist fastener to edge of rim joist is required.
4. Simpson Strong-Tie® SD #9x1½" screws may be substituted for 10dx1½" nails to achieve published nail values if the extra screw is installed in the narrow face of stringer.
5. **NAIL:** 10dx1½ = 0.148" dia. x 1½" long. Nails shall be hot-dip galvanized for LSCZ and stainless steel for LSCSS. See page 22-23 for other nail sizes and information.
6. **SCREWS (LSCZ only):** SD #9x1½" *(model SD9112)* = 0.131" dia. x 1½" long *(see page 27)*.



Supported LSC Installation



LSC Cantilever Installation