

SCL High Capacity Top Flange Hangers

Engineered Wood & Structural Composite Lumber Connectors

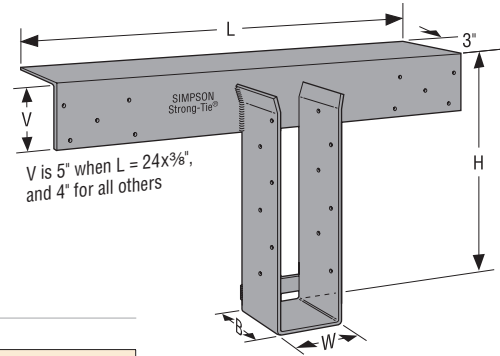
The SCL series of top flange hangers are high load capacity connectors designed for use with Structural Composite Lumber. The large top flange distributes the load to the carrying member and the fasteners are located specifically for structural composite lumber applications.

MATERIAL: Stirrups—3 gauge; Top flange—1/4" or 3/8" hot rolled angle, see table

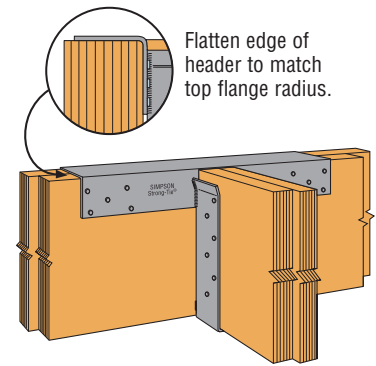
FINISH: Simpson gray paint

INSTALLATION: • Use all specified fasteners. See General notes.

- All multiple members must be fastened together to act as one single unit.
- This series may be used for weld on application. Weld top flange using 1/4"x4" long fillet welds spaced at 7" on center with 2" return around corners.
- These hangers cannot be used with a nailer.



SCL



Typical SCL Installation

Model No.	Dimensions (in)				Fasteners		Factored Resistance				
	W	H	B	L	Header	Joist	Uplift	D.Fir-L	S-P-F	PSL	LVL ²
							(K _D =1.15)	Normal	Normal	Normal	Normal
							(K _D =1.00)	(K _D =1.00)	(K _D =1.00)	(K _D =1.00)	(K _D =1.00)
lbs	lbs	lbs	lbs	lbs	kN	kN	kN	kN	kN		
SCL3.62/9.5	3%	9½	4	18	6-16d	6-16d	1980	13395	6775	15855	15850
							8.82	59.67	30.18	70.62	70.60
SCL3.62/11.5	3%	11½	4	18	6-16d	6-16d	1980	13395	6775	15855	15850
							8.82	59.67	30.18	70.62	70.60
SCL3.62/11.88	3%	11¾	4	18	6-16d	6-16d	1980	13395	6775	15855	15850
							8.82	59.67	30.18	70.62	70.60
SCL3.62/14	3%	14	4	18	6-16d	6-16d	1980	13395	6775	15855	15850
							8.82	59.67	30.18	70.62	70.60
SCL3.62/16	3%	16	4	18	6-16d	6-16d	1980	13395	6775	15855	15850
							8.82	59.67	30.18	70.62	70.60
SCL3.62/18	3%	18	4	22	12-16d	12-16d	3960	17600	11490	20915	21600
							17.64	78.40	51.18	93.16	96.21
SCL3.62/18.75	3%	18¾	5	22	12-16d	12-16d	3960	17600	11490	20915	21600
							17.64	78.40	51.18	93.16	96.21
SCL3.62/19	3%	19	5	22	12-16d	12-16d	3960	17600	11490	20915	21600
							17.64	78.40	51.18	93.16	96.21
SCL5.37/9.5	5%	9½	4	18	6-16d	6-16d	1980	13395	6775	15855	15850
							8.82	59.67	30.18	70.62	70.60
SCL5.37/11.5	5%	11½	5	22	12-16d	12-16d	1980	17600	11490	20915	21600
							8.82	78.40	51.18	93.16	96.21
SCL5.37/11.88	5%	11¾	5	22	12-16d	12-16d	1980	17600	11490	20915	21600
							8.82	78.40	51.18	93.16	96.21
SCL5.37/14	5%	14	5	22	12-16d	12-16d	1980	17600	11490	20915	21600
							8.82	78.40	51.18	93.16	96.21
SCL5.37/16	5%	16	6	24x3/8	10-16d	12-16d	3300	23680	13025	27350	29000
							14.70	105.48	58.02	121.83	129.18
SCL5.37/18	5%	18	6	24x3/8	10-16d	12-16d	3300	23680	13025	27350	29000
							14.70	105.48	58.02	121.83	129.18
SCL5.37/18.75	5%	18¾	6	24x3/8	10-16d	12-16d	3300	23680	13025	27350	29000
							14.70	105.48	58.02	121.83	129.18
SCL5.37/19	5%	19	6	24x3/8	10-16d	12-16d	3300	23680	13025	27350	29000
							14.70	105.48	58.02	121.83	129.18
SCL7.25/9.5	7¼	9½	4	18	6-16d	6-16d	1980	13395	6775	15855	15850
							8.82	59.67	30.18	70.62	70.60
SCL7.25/11.5	7¼	11½	5	22	12-16d	12-16d	1980	17600	11490	20915	21600
							8.82	78.40	51.18	93.16	96.21
SCL7.25/11.88	7¼	11¾	5	22	12-16d	12-16d	1980	17600	11490	20915	21600
							8.82	78.40	51.18	93.16	96.21
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							14.70	105.48	58.02	121.83	129.18

1. Factored uplift resistances have been increased 15% for short term loading with no further increase allowed. Reduce when other load durations govern.
2. Applies to LVL headers made primarily from D.Fir-L, assuming $\phi F_{cp} = 1092$ psi and a specific gravity of 0.50. See LVL manufacturer specifications.
3. **NAILS:** 16d = 0.162" dia. x 3½" long. See page 16-17 for other nail sizes and information.