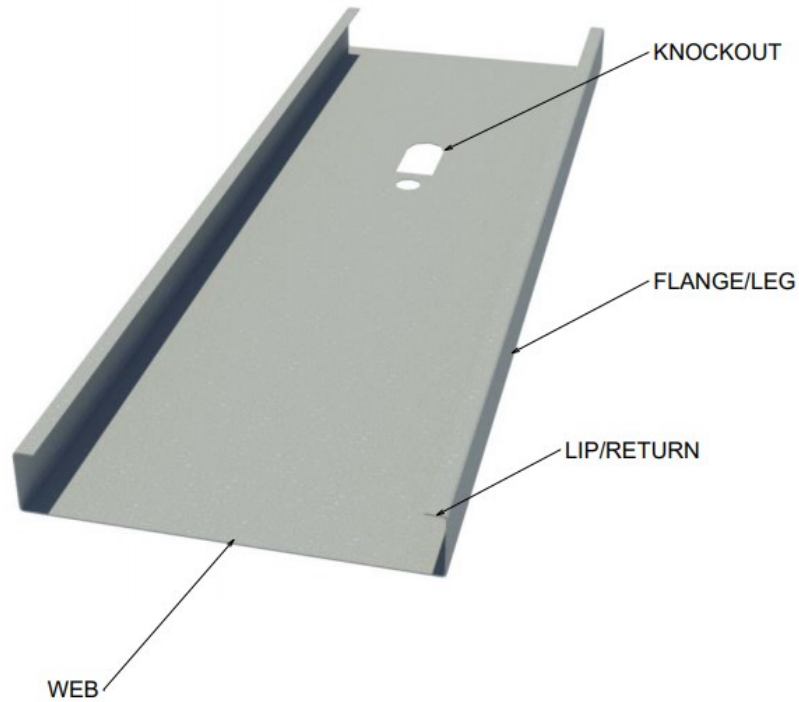


# LSF JOIST SYSTEM

## DATA SHEET



### Standard Thicknesses - LSF Joist Members

Designation Thickness	Minimum Base Steel Thickness		Design Thickness	
	(inch)	(mm)	(inch)	(mm)
mils				
54	0.0538	1.367	0.0566	1.438
68	0.0677	1.720	0.0713	1.811
97	0.0966	2.454	0.1017	2.583



LSF Joist components provide an economical, lightweight alternative to open web trusses, bar joists, engineered lumber, cast-in-place or hollow core floor assemblies.

Web stiffeners may be required at supports and other point loads and solid blocking and strap or internal bridging is required to properly brace the floor assembly (as specified by the engineer of record).

#### Standard Dimensions for LSF Joists

Web Depth			Flange Width		
Depth	Design Depth		Depth	Design Width	
Designation	(inch)	(mm)	Designation	(inch)	(mm)
800	8	203	162	1-5/8	41.3
1000	10	254	200	2	50.8
1200	12	305	250	2-1/2	63.5
1400	14	356	300	3	76.2

## Standard Dimensions for Rim Joist/Track

Web Depth			Flange Width		
Depth Designation	Design Depth		Depth Designation	Design Width	
	(inch)	(mm)		(inch)	(mm)
800	8	203	125	1-1/4	31.8
1000	10	254	200	2	50.8
1200	12	305	250	2-1/2	63.5
1400	14	356	300	3	76.2

## Design Lip Length for LSF Joist

Flange Section	Flange Width		Design Lip Length	
	(inch)	(mm)	(inch)	(mm)
S162	1-5/8	41.3	1/2	12.7
S200	2	50.8	5/8	15.9
S250	2-1/2	63.5	5/8	15.9
S300	3	76.2	5/8	15.9

### Material:

Tensile Strength: 54 mils (16ga), 68 mils (14ga) and 97 mils (12ga) products are produced with 50ksi steel.

Standard coating: G60 (G90 available on request).  
All joists are color coded for easy identification.



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Manufactured in accordance with CAN/CSA S-136-16 (North American specification for the design of cold-formed steel structural members), ASTM A653/A653M (Standard for steel sheet, zinc-coated (galvanized) or zinc-iron alloy-coated by the hot-dip process), ASTM C645 (Standard specification for non-structural steel framing members), and Standard CSSBI 61-18 (Manufacturer Certification Requirements for Cold Formed Steel Framing Members - Certificate of Registration reference number Q107858).