

Hangers

Selection Table – Limit States Design

Axonometry	Number	Member dimensions			Hanger dimensions				Fasteners		Normal ^(c, d) resistance (kN)
		b (mm)	d _{min} (mm)	d _{max} (mm)	A (mm)	B (mm)	C (mm)	t (mm)	Face ^(a) (nb - ø)	Joist ^(b) (nb - ø)	
Hangers with annular ring nails											
	sE011	86	241	343	88	218	113	3.0	16 - 6.0	8 - 4.0	36.3
	sE012	86	394	546	88	358	113	3.0	32 - 6.0	16 - 4.0	58.6
	sE013	86	495	699	88	458	113	3.0	44 - 6.0	24 - 4.0	58.6
	sE014	86	597	905	88	578	113	3.0	56 - 6.0	32 - 4.0	58.6
	sE015	137	241	343	139	218	113	3.0	16 - 6.0	8 - 4.0	36.3
	sE016	137	394	546	139	358	113	3.0	32 - 6.0	16 - 4.0	72.6
	sE017	137	495	699	139	458	113	3.0	42 - 6.0	24 - 4.0	93.3
	sE018	137	597	905	139	578	113	3.0	54 - 6.0	32 - 4.0	93.3
	sE019	184	241	343	186	218	113	3.0	16 - 6.0	8 - 4.0	36.3
	sE020	184	394	546	186	358	113	3.0	32 - 6.0	16 - 4.0	72.6
sE021	184	495	699	186	458	113	3.0	42 - 6.0	24 - 4.0	95.3	
sE022	184	597	905	186	578	113	3.0	54 - 6.0	32 - 4.0	125.4	
Hangers with bolts											
	sE031	86	241	343	88	218	113	3.0	4 - 5/8"	8 - 4.0	34.0
	sE032	86	394	546	88	358	113	3.0	6 - 5/8"	16 - 4.0	51.0
	sE033	86	495	699	88	458	113	3.0	8 - 5/8"	24 - 4.0	52.4
	sE034	86	597	905	88	578	113	3.0	8 - 5/8"	32 - 4.0	52.4
	sE035	137	241	343	139	218	113	3.0	4 - 5/8"	8 - 4.0	34.0
	sE036	137	394	546	139	358	113	3.0	6 - 5/8"	16 - 4.0	51.0
	sE037	137	495	699	139	458	113	3.0	8 - 5/8"	24 - 4.0	68.1
	sE038	137	597	905	139	578	113	3.0	8 - 5/8"	32 - 4.0	68.1
	sE051	86	241	343	88	218	115	4.8	4 - 3/4"	8 - 4.0	43.8
	sE052	86	394	546	88	358	155	4.8	8 - 3/4"	16 - 4.0	72.6
	sE053	86	495	699	88	458	155	4.8	8 - 3/4"	24 - 4.0	72.6
	sE054	86	597	905	88	578	185	4.8	10 - 3/4"	32 - 4.0	87.7
	sE055	137	241	343	139	218	115	4.8	4 - 3/4"	8 - 4.0	48.1
	sE056	137	394	546	139	358	115	4.8	8 - 3/4"	16 - 4.0	83.5
sE057	137	495	699	139	458	155	4.8	10 - 3/4"	24 - 4.0	115.7	
sE058	137	597	905	139	578	155	4.8	10 - 3/4"	32 - 4.0	115.7	
sE059	184	241	343	186	218	115	4.8	4 - 3/4"	8 - 4.0	48.1	
sE060	184	394	546	186	358	115	4.8	8 - 3/4"	16 - 4.0	96.2	
sE061	184	495	699	186	458	135	4.8	10 - 3/4"	24 - 4.0	120.3	
sE062	184	597	905	186	578	135	4.8	12 - 3/4"	32 - 4.0	133.8	

a) Annular ring nails: ø 6 mm x L 60 mm (without pre-drilling); bolts: ø 5/8" or 3/4" x required length, ASTM A307.

b) Annular ring nails: ø 4 mm x L 60 mm (without pre-drilling).

c) Factored normal resistance values are based on Nordic Lam+ members, dry service conditions, and standard-term duration of load. They are determined using calculations and/or static load tests. Testing is conducted under the supervision of an independent laboratory.

d) Perpendicular-to-grain splitting resistance and resistance of the wood members shall be verified separately by the designer.

Notes:

1. Selection table for standard hangers; see shop drawings for manufacturing details.
2. Leave a clearance of 2 mm between the end of the supported element and the support element or hanger.
3. For any other configuration, the design of the assemblies must conform to CSA O86 and CSA S16.
4. Additional requirements may apply for assemblies that require a fire-resistance rating.