

<b>Title</b>	<b>Hand build upholstery suspension systems using zigzag and coil springs</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>10</b>

<b>Purpose</b>	People credited with this unit standard are able to: hand build upholstery suspension systems using zigzag springs and coil springs.
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<b>Classification</b>	Furniture > Upholstery
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 Assessment information  
This unit standard must be assessed against on-job.  
All activities and performance criteria must be carried out in accordance with worksite procedures and job specifications.
- 2 Competence must be demonstrated using hand stitching and cover flocking.
- 3 Coils over 200 mm in height require the additional step of tying the middle of them to all sides of the frame to prevent toppling.
- 4 Definitions  
*Coil springs* are made of steel. They have a large coil at the top of the spring and coils that taper down in size to the middle of the spring and then back out again to a large coil at the bottom of the spring.  
*Worksite policies and procedures* refer to documented policies and to documented or other directions provided to staff. These may include, but are not limited to, ways of managing health and safety, environmental considerations, quality, and production, and must conform to legislation. Examples include standard operating procedures, company health and safety plans, on-site briefings, and supervisor's instructions.  
*Zigzag springs* are also known as No Sag springs. Zigzag springs are made of steel and shaped in a series of U convolutions. They come in rolls or cut lengths.

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### Outcomes and performance criteria

#### Outcome 1

Hand build upholstery suspension systems using zigzag springs.

**Performance criteria**

- 1.1 Job specifications are obtained and interpreted.  
Range furniture frames, spring type.
- 1.2 Zigzag springs are fastened to the frame.
- 1.3 Zigzag springs are fitted to mounts securely.
- 1.4 Zigzag springs are connected together to avoid toppling.  
  
Range one of – springs covered in hessian and attached to hessian using hog rings or by tying, webbing fastened to frame at right angle to springs and springs attached to hessian by hog rings or by tying, zigzag spring wire fitted and crimped to springs.
- 1.5 Zigzag springs are covered with spring protectors to prevent rubbing against seat padding.

**Outcome 2**

Hand build upholstery suspension systems using coil springs.

**Performance criteria**

- 2.1 Job specifications are obtained and interpreted.  
  
Range furniture frames, spring type and height.
- 2.2 Coil springs are fastened to the frame.
- 2.3 Under-felt is fitted to frame.
- 2.4 Under-felt and springs are stapled to frame in at least three places.
- 2.5 Frame is arrased and webbing is stretched tightly over frames and attached to frame.
- 2.6 Bottom coil of springs are hand tied to webbing in a minimum of three places.
- 2.7 Hessian is laid over the top of the springs and the top coil of each spring is hand tied to the hessian cover in at least three places.
- 2.8 Sisal is placed over the hessian and hand stitched to hessian.
- 2.9 Work area is left clean, clear, and safe.

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<b>Planned review date</b>	31 December 2024
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**Status information and last date for assessment for superseded versions**

Process	Version	Date	Last Date for Assessment
Registration	1	19 June 2009	31 December 2018
Review	2	19 March 2015	N/A
Review	3	26 November 2020	N/A

**Consent and Moderation Requirements (CMR) reference**

0173

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

**Comments on this unit standard**

Please contact Competenz [qualifications@competenz.org.nz](mailto:qualifications@competenz.org.nz) if you wish to suggest changes to the content of this unit standard.