SUBJECT 10

SUBJECT 10: Springs

Re: **Springs**

Contact: Adam Mercer FCDC@nmfta.org

Proponent: Freight Classification Development Council

Quick View

The Quick View feature is not intended to replace contextual information within this document. To understand the potential impact of the recommended changes shown here, please read the full proposal.

Subject 10: Springs

Quick View: All items subject to the Springs generic heading are canceled with reference to a new item.

- Note, item 178022 canceled with no further application
- Springs generic heading, item 177900, canceled with no further application

Transportation Characteristics Present:

- Handling ☐Yes ☒No Stowability ☐Yes ☒No Liability ☐Yes ☒No Density ☒Yes ☐No

Provisions based on:

- FCDC's 13-sub density scale

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Present Classification Provisions

Item	Description	Class
177900	**SPRINGS:**	
177910	**Air Springs,** in boxes, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1	400
Sub 2	1 but less than 2	300
Sub 3	2 but less than 4	250
Sub 4	4 but less than 6	175
Sub 5	6 but less than 8	125
Sub 6	8 but less than 10	100
Sub 7	10 but less than 12	92.5
Sub 8	12 but less than 15	85
Sub 9	15 but less than 22.5	70
Sub 10	22.5 but less than 30	65
Sub 11	30 but less than 35	60
Sub 12	35 but less than 50	55
Sub 13	50 or greater	50
177920	**Door,** NOI, in boxes or drums	77.5
177930	**Springs,** coiled, overhead door tension, in boxes or drums	55
177940	**Springs,** NOI:	
177950	Brass, bronze or copper, in boxes or drums	92.5
177960	Steel, other than wire:	
177970	Coiled, made of steel less than 5/16 inch thick:	
Sub 1	In bundles	85
Sub 2	In bags, boxes, crates or drums	70
177980	Coiled, made of steel 5/16 inch or over in thickness	55
178000	Elliptic or semi-elliptic, vehicle or tractor	55
178010	Other than coiled, elliptic or semi-elliptic:	
Sub 1	In bundles	85
Sub 2	In bags, boxes, crates or drums	70
178020	Wire, steel, see Note, item 178022, in packages	70
178022	NOTE—Not applicable on springs constructed of material over 0.49 inch thick; when exceeding 0.49 inch thick, class as springs, steel, other than wire, coiled.	
178040	**Torsion,** loose or in packages:	
Sub 1	Steel, consisting of one piece of bar or rod, not machined nor coiled	55
Sub 2	Steel and rubber combined	85

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Proposed Classification Provisions

Item	Description	Class
177900	**SPRINGS:**	⇉Cancel; no further application
177910	**Air Springs,** etc	⇉Cancel; see item NEW
177920	**Door, NOI,** etc	⇉Cancel; see item NEW
177930	**Springs,** coiled, overhead door tension, etc	⇉Cancel; see item NEW
177940	**Springs,** NOI:	⇉Cancel; see item NEW
177950	Brass, bronze or copper, etc	⇉Cancel; see item NEW
177960	Steel, other than wire	⇉Cancel; see item NEW
177970	Coiled, made of steel less than 5/16 inch thick, etc	⇉Cancel; see item NEW
177980	Coiled, made of steel 5/16 inch or over in thickness	⇉Cancel; see item NEW
178000	Elliptic or semi-elliptic, vehicle or tractor	⇉Cancel; see item NEW
178010	Other than coiled, elliptic or semi-elliptic, etc	⇉Cancel; see item NEW
178020	Wire, steel, etc	⇉Cancel; see item NEW
178022	NOTE—⇉Cancel; no further application.	
178040	**Torsion,** etc	⇉Cancel; see item NEW

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Proposed Classification Provisions—Concluded

Item		Description	Class
⇉NEW	**Springs, viz.:**		
	Air, in boxes;		
	Door, NOI, in boxes;		
	Springs, NOI, in boxes, bundles or crates;		
	Torsion, in packages;		
	Subject to Item 170 and having a density in pounds per cubic foot of:		
Sub 1		Less than 1	400
Sub 2		1 but less than 2	300
Sub 3		2 but less than 4	250
Sub 4		4 but less than 6	175
Sub 5		6 but less than 8	125
Sub 6		8 but less than 10	100
Sub 7		10 but less than 12	92.5
Sub 8		12 but less than 15	85
Sub 9		15 but less than 22.5	70
Sub 10		22.5 but less than 30	65
Sub 11		30 but less than 35	60
Sub 12		35 but less than 50	55
Sub 13		50 or greater	50

Analysis

Introduction

There are numerous items subject to the Springs generic heading that name particular types of springs, and these provisions can be difficult to interpret, apply, or verify. The transportation characteristics below relate to the items subject to the Springs generic heading, as shown in the Present Classification Provisions herein.

Transportation Characteristics

Density—The information of record includes 36,251 density observations obtained from the FCDC's Density Study[1]. The densities range from 0.25 to 102.52 pcf, with an overall average density of 26.58 pcf. As shown in the graph on the following page, the distribution is left skewed, with a distinct peak at the 15 but less than 22.5 pcf interval.

[1] The Density Study is part of an ongoing effort by the FCDC to collect information on actual shipments across all product categories handled by the LTL industry. Carriers that choose to participate in the Study periodically submit shipment data captured through their respective freight auditing programs. The FCDC uses verifiable data points, identified by NMFC item, that include the weight and the dimensions and/or cube of the shipping unit.

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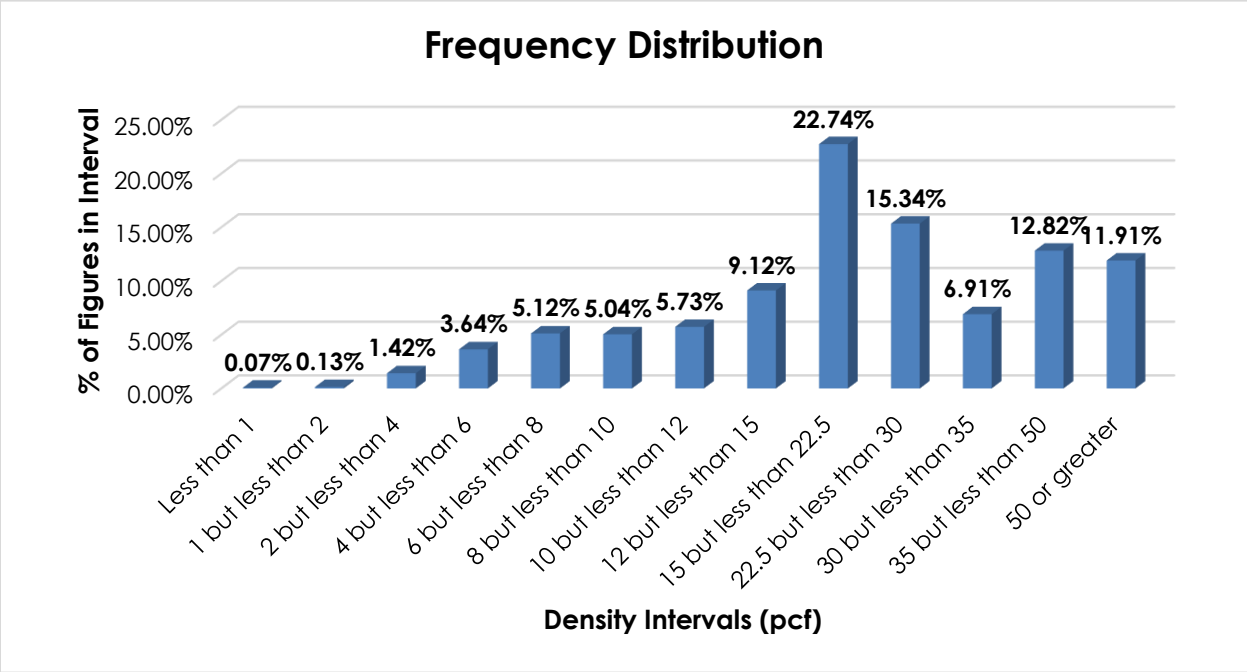

Handling, Stowability, and Liability—There have been no reports of unusual or significant handling, stowability, or liability issues.

Conclusion

Based on the foregoing analysis, all items subject to the Springs generic heading, as shown in the Proposed Classification Provisions herein, would be canceled with reference to a new item, naming "Springs," which would provide the FCDC's 13-subprovision density scale[2], and a "viz." format.

Additionally, the Springs generic heading, item 177900, and Note, item 178022 would be canceled with no further application.

The FCDC's Packaging Development Manager has reviewed the proposed minimum packaging requirements and determined they are appropriate for the LTL environment.

[2] The FCDC's standard 13-subprovision density scale includes reference to Item (Rule) 170, the inadvertence clause.

