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## Title 49 —Transportation

### Subtitle B —Other Regulations Relating to Transportation

#### Chapter II —Federal Railroad Administration, Department of Transportation

#### Part 215 —Railroad Freight Car Safety Standards

**Authority:** 49 U.S.C. 20103, 20107; 28 U.S.C. 2461 note; and 49 CFR 1.89.

**Source:** 44 FR 77340, Dec. 31, 1979, unless otherwise noted.

#### Appendix A to Part 215—Railroad Freight Car Components

List of components whose use is restricted by § 215.203 of this part.

A. Air brakes:

The “K” type.

B. Axles:

1. Former AAR alternate standard tubular type.
2. Axle with letters “RJ” stamped on the end of the journal.

C. Couplers:

1. AAR type “D”, top or bottom operated.
2. AAR type “E” with 5” by 7” shank.

D. Draft arrangement:

1. Miner FR-16 and FR-19-F draft gears.
2. Farlow draft attachment.

E. Plain journal bearings:

Cartridge type.

F. Roller bearings:

1. Nippon Sieko Kabushiki Kaish (NSK) size 6<sup>1</sup>/<sub>2</sub>” by 12” (marked “AAR 11”).
2. Hyatt cylindrical bearing, all sizes (marked “AAR 2”).
3. SKF “Piggybacker” spherical roller, size 6” by 11” (marked “AAR 7”).

G. Trucks:

1. Arch bar type.
2. Truck with cast steel pedestal side frame, short wheel base, and no bolster.

H. Truck bolsters:

1. A bolster with one of the following pattern numbers listed according to manufacturer:

A.S.F.	Dresser (Symington)	Birdsboro	Lenoir car works
21183-B	BO 5234	1458 1468	CS-184.
21183-N	BO 5263 BO 7076	1471	CS-611.
21648-C	BO 7076-A		
22056-E	BO 7115		

2. Bolster cast before 1927.
3. Bolster without an identification mark or pattern number.

I.

1. Truck side frames:

A side frame with one of the following pattern numbers listed according to manufacturer:

A.S.F.	National castings	Buckeye	Dominion
7273	33793-1B	3-1776	TF-5100
7323		F-420	
21362 (cast prior to June 1941)			

Pittsburgh steel foundry	Scullin steel	Bettendorf	Canadian steel foundry
31673	42-CS-180	UT 456	26565
4-1862			
3-1674	4665		
4-2045	4770		
12897	4942		
12921	5220		
21263	5364		
	5364-C		
	5364-E		
	5811-A		
	5869-B		

Pittsburgh steel foundry	Scullin steel	Bettendorf	Canadian steel foundry
	6577-A		

2. Side frame cast before 1927.
3. Side frame without an identification mark or pattern number.
4. Side frame with an "I", "T", or "L" section compression or tension member.

J. Wheels:

1. Cast iron wheel.
2. Cast steel wheel marked "AAR X-2."
3. Southern cast steel wheel manufactured before May 7, 1958.
4. Griffin, three-riser cast steel wheel, ball rim design, 70-ton capacity.
5. Griffin, three-riser cast steel wheel, two-wear, 70- and 50-ton capacity, 33 inch, (marked X-5 or CS-2).
6. Wrought steel wheel manufactured before 1927, as indicated by marking on wheel.
7. Cast steel wheel marked AAR X-4.
8. Davis cast steel wheel.
9. One-wear, 70-ton Southern (ABEX) U1 cast steel wheels dated May 7, 1958 through December 31, 1969.
  - A. Wheels dated May 7, 1958, to January 1, 1964, are marked with the symbol "70T" cast on the back of the wheel plate; they are not marked "U-1."
  - B. Wheels dated January 1, 1964 through December 31, 1969, are marked with the symbols "CJ-33" and "U-1" or "70T" and "U-1" cast on the back of the wheel plate.

K. Yokes:

1. Riveted type.
2. Keyless type.
3. Vertical key type.