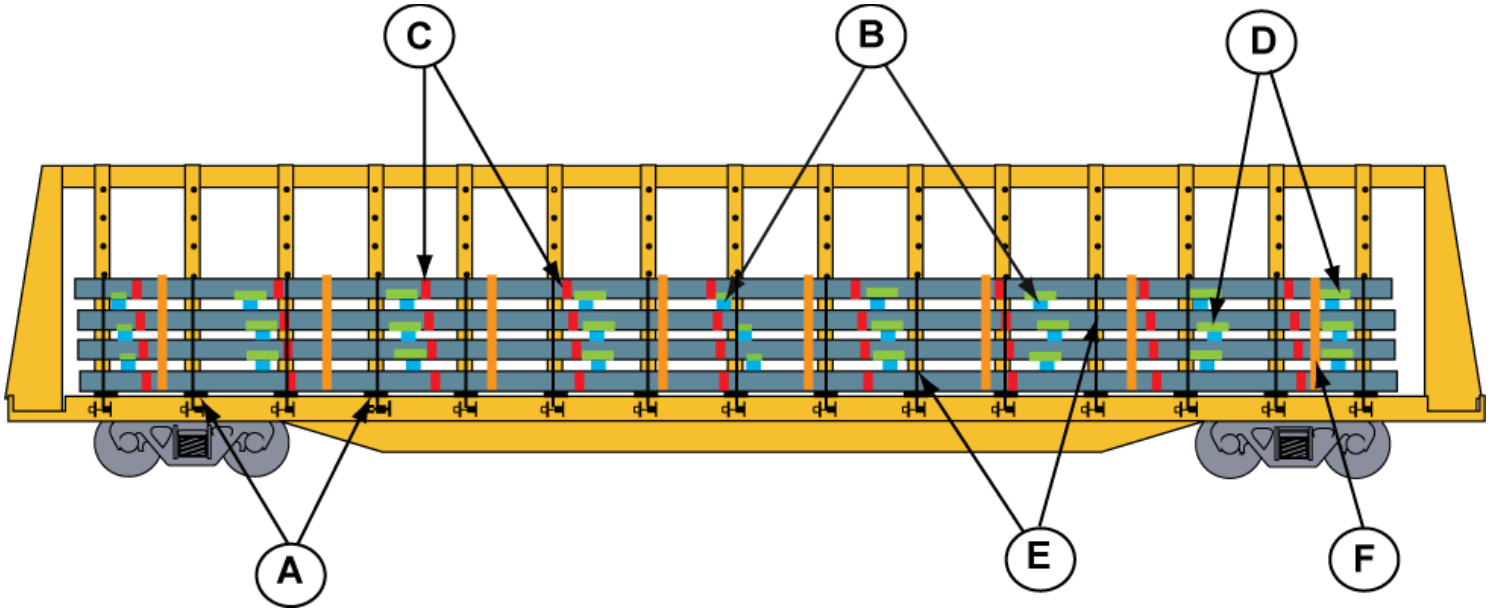


BEAMS, STRUCTURAL STEEL 12 FEET LONG OR MORE LOADED ON
CUSHIONED UNDERFRAME CENTRE BEAM CAR WITH PERMANENT STEEL
BEARING PIECES

RAC 12200
Revised 09-2020



Item	No. of Pcs.	Description
A	Minimum 3 per 12 feet units	Bearing Pieces: Cars are equipped with permanent floor bearing pieces. (Risers). When cars are not equipped with steel bearing pieces, hardwood or Douglas Fir 4x4 bearing must be used.
B	Minimum of 2 per 12 feet units add 1 for each additional 8 feet or less.	Separators: Hardwood, 4 in. x 4 in. Length to be equal to width of packages and in one piece. Locate one per 8 feet. Maybe substitute with Douglas Fir minimum 4 in X 6 in rough.
C	Minimum of 2 per 12 feet units add 1 for each additional 8 feet or less.	Package ties: 1 1/4 in. x .029 in. high-tension steel bands. Locate one tie per 8 feet.
D	2 per separator	Stabilizer End blocks: Lumber 2 in. x 4 in. Nailed to the top of each end of the separators Item B.



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RAC 12200 (Continued)
Revised 09-2020

Item	No. of Pcs.	Description
E	All available cables must be used with a minimum of 3 per unit	Cables: 3/8 in. diameter, minimum of 8,800 lbs. Breaking strength. Cable assemblies must be equipped with edge protectors. Prior to tightening, there must be a minimum of 2½ wraps of cable around the winch drum. All cables must be used and must be free of kinks and tangles. Tension to be applied with the use of an 18 in. bar or ¾ in ratchet. Cables are to be secured to A-frame in slot nearest to top of top package.
F	Minimum of 2 per 12 feet units add 1 for each additional 8 feet or less.	Encircling bands: 1 1/4 in. x .029 in. high-tension steel bands placed approximately 18 inches from each end and encircling complete load. Banding may be substituted with AAR approved type 1A Grade 7 polyester non-metallic strapping.

Notes:

- 1- Load must be centered on car, leaving voids equally distributed at each end of car.
- 2- When more than one pile is placed on car, end piles must be placed against the bulkheads. Void, if any must be kept to a minimum and should not be greater than the shortest piece on either side.
- 3- The weight of the load must always be equally distributed on the car.
- 4- Separators must not come in contact with the cables.
- 5- Edge protectors must be used on all sharp edges coming in contact with the cables.
- 6- The height of each layer must be maintained throughout the load.
- 7- The height of load must not exceed the height of the bulkhead or center stake, whichever is less.
- 8- Load weight distribution must be in accordance with AAR General Rule indicating the percentage of deck length utilized versus correspondent permissible percentage of load limit for that length, see table below.

Allowable load limit on reduced deck length utilized

<i>Percent of deck length utilized</i>	<i>100</i>	<i>75</i>	<i>50</i>	<i>25</i>
<i>Percent of load limit permitted</i>	<i>100</i>	<i>75</i>	<i>50</i>	<i>25</i>

See General Rules for further details.