

Static Weighline Application Data Sheet

Completed by _____

Date _____

For _____

Location _____

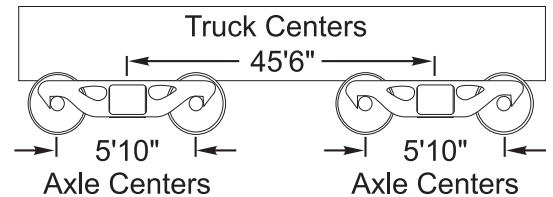
Defining the Weighline sections

Full draft weighing, i.e., each axle of the car is supported on a Weighline section, is recommended for maximum accuracy.

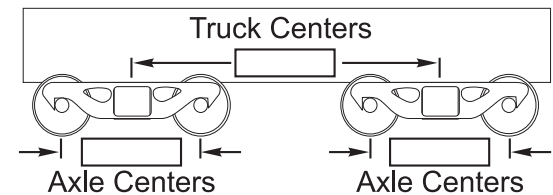
1. Are all cars the same size, i.e., are the truck centers and the axle centers the same?
 Yes No If No, go to 10.
2. What is the truck center dimension? ____ft ____in.
3. What is the axle center dimension?
 (normally 5'9" or 5'10") _____ft _____in.
4. Can the cars be conveniently positioned within ± 4 in.? Yes No If No, go to 11.
5. What is the rail size? 115RE is the standard rail used for Weighline but other sizes of rail can sometimes be used. 115 RE can be joined to other sizes of rail by the use of compromise joint bars.
 _____Lb / Yd
6. Is the existing rail mounted on wooden ties?
 Yes No If No, go to 12.
7. Are standard tie plates used? Yes No
 If No, go to 12.
8. What size are the tie plates? ____11" ____12" ____13"
9. **This completes the definition.**
10. In general, a full-draft Weighline is not suitable for weighing cars of different sizes. However:
 - a. If there are only 2 or 3 different car sizes it is sometimes possible to install additional Weighline sections to accommodate different sized cars.
 - b. If variation in axle positions is 4" or less, then different car sizes can be accommodated, but this will require more accurate positioning.
 - c. The two draft weighing method can be used but requires two positions per car for separate truck weights. This requires the car to be accurately positioned twice for each car. Different car sizes can be weighed using this method provided the axle centers on the trucks are the same, as is normally the case.

Define the cars to be weighed using the sketches below.

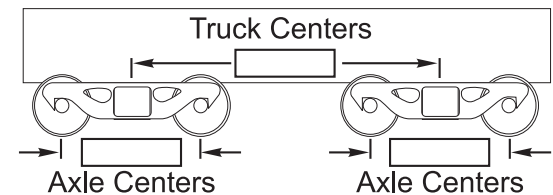
Example



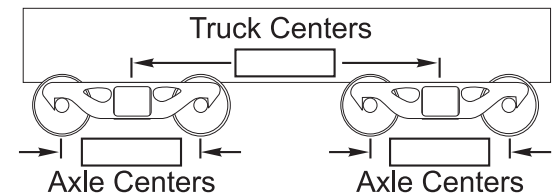
Car Type 1



Car Type 2



Car Type 3



Go to 5

11. The active weighing length/section is about 8 inches (In certain cases the active length can be extended by using a heavier rail section. Consult factory.) If the cars cannot be positioned within ± 4 inches of center, then either an in-motion Weighline system or a conventional static scale should be used.
12. Describe how the rail is mounted and provide a drawing if available.

Go to 9.

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