



## 50 Foot Boxcar (HO)



**Borgen Models**

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### Summary

American Car Foundry (ACF) 50' 6" Boxcar in HO scale.

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Tags: [train](#) [ho](#) [boxcar](#)

**Bronze Level:** Model will be updated in the future to include directions and decals (Sept. 4 2023)

American Car Foundry 50' 6" Boxcar in HO scale. For this model you will need to print the following amounts from the list.

- 1x Boxcar end 1
- 1x Boxcar end 2
- 2x Coupler cover A
- 2x Coupler cover B
- 2x Boxcar Side
- 1x Floor
- 1x Roof
- 1x Brake Part 1
- 1x Brake Control 1
- 1x Brake Air Cylinder
- 1x Brake Wheel
- 2x End Bracket

- 1x Mid Bracket
- 14x Pins

You will also need the following additional parts to assemble the car.

- 3 M2x4 screws
- 2 M2x8 screws
- 4 Wheel sets or 2 **trucks** with wheels
- 2 couplers
- Aprox. 28 grams of weight
- Glue

Instructions:

1. Glue 2x **Pins** into the **mid bracket**
2. Glue step 1 into the bottom middle of the **Roof**
3. Glue 2x **pins** into the **End Bracket** and glue **Boxcar end 1**. Repeat with the other **boxcar end**
4. Insert and glue 6x **pins** into the side of the assembly from step 3. Attach **boxcar side** to these pins. Repeat with other side.
5. Insert weights to the bottom of the boxcar **floor**.
6. Attach the **floor** using 1x M2x4 screw in the middle hole.
7. Create a coupler box assembly using **Coupler box A**, **Coupler box b**, a coupler, and 1x M2x8 screw.
8. Attach the assembly using the screw to the ends of the **Floor**.
9. Attach the two trucks using 2x m2x4 screws.

## Model files



**brake-air-cylinder.3mf**



**brake-control-1.3mf**



**brake-part-1.3mf**



**brake-wheel.3mf**

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**complete.3mf**

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**coupler-cover-a.3mf**

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**coupler-cover-b.3mf**

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**end-1.stl**

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**end-2.stl**

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**end-bracket.stl**

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**floor.stl**

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**mid-bracket.stl**

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**pin.stl**

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roof.stl



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side.stl



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