

N Scale Precast Belled Concrete Pipes

j jkfamily

VIEW IN BROWSER

updated 24. 1. 2020 | published 24. 1. 2020

Summary

This is a scaled model per precast industry standards.

1.50 hrs	1 pcs	0.10 mm	0.25 mm	PLA	4 g	Prusa MK3/S/S+

Hobby & Makers > Other Ideas

Tags: train modeltrain nscale loads

This is a scaled model per precast industry standards.

All of these models have been optimized for 0.25mm nozzle printed vertically.

6ft Inside Diameter:
The real-life size is 6'-0" inside diameter x 12'-7.5" long with a total lay length of 12'-0". Outside diameter of the bell is 8'-4". Estimated weight is nearly 23,000 lbs! Print size is 15.88mm wide x 24.05mm tall.

5ft Inside Diameter:
The real-life size is 5'-0" inside diameter x 12'-7" long with a total lay

length of 12'-0". Outside diameter of the bell is 7'-2". Estimated weight is nearly 17,500 lbs! Print size is 13.65mm wide x 23.97mm tall.

4ft Inside Diameter:
The real-life size is 4'-0" inside diameter x 12'-6" long with a total lay length of 12'-0". Outside diameter of the bell is 5'-8". Estimated weight is nearly 11,600 lbs. Print size is 10.80mm wide x 23.85mm tall.

3ft Inside Diameter:
Model1: The real-life size is 3'-0" inside diameter x 12'-5" long with a total lay length of 12'-0". Outside diameter of the bell is 4'-5". Estimated weight is nearly 7,200 lbs. Print size is 8.41mm wide x 23.65mm tall.

Model2: The real-life size is 3'-0" inside diameter x 8'-4" long with a total lay length of 8'-0". Outside diameter of the bell is 3'-9". Estimated weight is nearly 4,800 lbs. Print size is 7.70mm wide x 15.80mm.

2ft Inside Diameter:
The real-life size is 2'-0" inside diameter x 8'-4" long with a total lay length of 8'-0". Outside diameter of the bell is 3'-0". Estimated weight is nearly 2,600 lbs. Print size is 5.60mm wide x 15.80mm tall.

1.5ft Inside Diameter:
The real-life size is 1'-6" inside diameter x 8'-4" long with a total lay length of 8'-0". Outside diameter of the bell is 2'-6". Estimated weight is nearly 1,800 lbs. Print size is 4.75mm wide x 15.80mm tall.

1ft Inside Diameter:
The real-life size is 1'-0" inside diameter x 8'-4" long with a total lay length of 8'-0". Outside diameter of the bell is 1'-10". Estimated weight is nearly 900 lbs. Print size is 3.5mm wide x 15.80mm tall.

Print instructions

The shown prints were made on a Prusa i36mk3 with a 0.25 nozzle and 0.1mm layer height.

Model files



nscale-1id-x-8l-concrete-pipe.stl



nscale-3id-x-8l-concrete-pipe.stl



nscale-6id-x-12l-concrete-pipe.stl



nscale-15id-x-8l-concrete-pipe.stl



nscale-4id-x-12l-concrete-pipe.stl



nscale-5id-x-12l-concrete-pipe.stl



nscale-3id-x-12l-concrete-pipe.stl



nscale-2id-x-8l-concrete-pipe.stl

Print files



nscale-precast-pipe-collection_025n_1h30m.gcode

PLA 0.25 mm 0.10 mm 1.50 hrs 4 g Prusa MK3/S/S+

License



This work is licensed under a
Creative Commons (4.0 International License)

Attribution

✖ | Sharing without ATTRIBUTION
✔ | Remix Culture allowed
✔ | Commercial Use
✔ | Free Cultural Works
✔ | Meets Open Definition