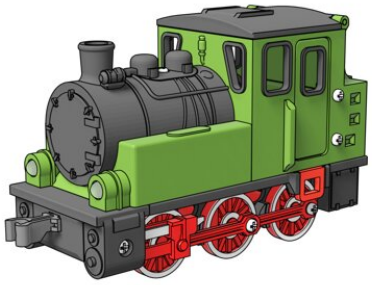
Small steam locomotive



Non-Printed Parts List

No.	Part name	Quantity	Color (suggested)	Notes
1.	M2.2x6.5 screw (DIN 7981)	32	N/A	
2.	5 mm white LED	4	white	Variant part (white LEDs as lamps) Use for better look
3.	1.75 mm filament piece	2	green	Cut to length during assembly

3D Printed Parts List

No.	Part name	Quantity	Color (suggested)	Notes
1.	TLF03-frame.stl filament: ~9 g/part	1	black	
2.	TLH03C-headstock-cylinders.stl filament: ~9 g/part	1	black	
3.	TLW03GL-crosshead-guide-L.stl filament: ~0.2 g/part	1	silver	
4.	TLW03GR-crosshead-guide-R.stl filament: ~0.2 g/part	1	silver	
5.	TLH03B-headstock-boxes.stl filament: ~8 g/part	1	black	
6.	TLL03-floor.stl filament: ~7 g/part	1	black	
7.	TLT02-footstep.stl filament: ~0.4 g/part	1	red	
8.	TLM03T-water-tank.stl filament: ~15 g/part	1	green	
9.	TLM03B-boiler.stl filament: ~20 g/part	1	black	
10.	TAY01-lamp.stl filament: ~0.2 g/part	4	transparent	Variant part (3D printed lamps)
11.	TLC03-cab-bunker.stl filament: ~25 g/part	1	green	
12.	TLD03-cab-door.stl filament: ~0.7 g/part	1	green	
13.	TLD03H-cab-door-hinge.stl filament: ~0.4 g/part	1	green	

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No.	Part name	Quantity	Color (suggested)	Notes
14.	TLB03L-brake-lever.stl filament: ~0.3 g/part	1	red	
15.	TLM03D-firebox-door.stl filament: ~6 g/part	1	black	Variant part (firebox - choose one)
16.	TLM03DS-firebox-door-PCB.stl filament: ~6 g/part	1	black	Variant part (firebox - choose one) Prepared for PCB switch placement
17.	TLW01AS-axle-with-spline.stl filament: ~0.8 g/part	3	red	
18.	TLW03WS-wheel-spkd-stub.stl filament: ~2 g/part	2	red	
19.	TLW03WPC-wheel-spkd-pin-cw.stl filament: ~2 g/part	2	red	Larger counterweight, mount on wheel with main rod
20.	TLW01WP-wheel-spkd-pin.stl filament: ~2 g/part	2	red	
21.	TLW01R-coupling-rod.stl filament: ~0.4 g/part	2	red	
22.	TLW03RM-main-rod.stl filament: ~0.2 g/part	2	red	
23.	TLW03CL-crosshead-L.stl filament: ~0.3 g/part	1	red	
24.	TLW03CR-crosshead-R.stl filament: ~0.3 g/part	1	red	
25.	TAQ01-coupler-auto.stl filament: ~0.5 g/part	2	black	
26.	TAQ01C-coupler-cotter.stl filament: ~0.1 g/part	2	black	
27.	TLB03-brakes.stl filament: ~1 g/part	1	gray	
28.	TLF02B-frame-bottom.stl filament: ~3 g/part	1	black	
29.	TAG01-146xt089-r-window.stl filament: ~0.1 g/part	2	black	
30.	TAG01-146x089t-r-window.stl filament: ~0.1 g/part	2	black	
31.	TAG01-156x112-r-window.stl filament: ~0.1 g/part	3	black	
32.	TAG01-146x096-r-window.stl filament: ~0.1 g/part	1	black	
33.	TLG03A-window-set.stl filament: ~1 g/part	1	black	Set: includes parts 29, 30, 31, 32 Complete window set
34.	TLC03R1-cab-roof.stl filament: ~6 g/part	1	black	Variant part (roof - choose one) Low cab roof
35.	TLC03R2-cab-roof.stl filament: ~7 g/part	1	black	Variant part (roof - choose one) High cab roof
36.	TLM03BD1-boiler-domes.stl filament: ~1 g/part	1	black	Variant part (domes - choose one)
37.	TLM03BD2-boiler-domes.stl filament: ~2 g/part	1	black	Variant part (domes - choose one)

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No.	Part name	Quantity	Color (suggested)	Notes
38.	TLM03S1-chimney.stl filament: ~0.8 g/part	1	black	Variant part (chimney - choose one)
39.	TLM03S2-chimney.stl filament: ~0.6 g/part	1	black	Variant part (chimney - choose one)
40.	TLM03S3-chimney.stl filament: ~0.8 g/part	1	black	Variant part (chimney - choose one)
41.	TLM03S4-chimney.stl filament: ~0.9 g/part	1	black	Variant part (chimney - choose one)
42.	TLX03L-small-coal-load.stl filament: ~2 g/part	2	black	Optional part (coal load)

Note: Filament usage values are estimated for PLA and may vary depending on slicer settings.

File Count Summary

Model Variants

- white LEDs as lamps, without coal load
  46 parts to print; filament use: ~130 g
- white LEDs as lamps, with coal load
  48 parts to print; filament use: ~135 g
- 3D printed lamps, without coal load
  50 parts to print; filament use: ~135 g
- 3D printed lamps, with coal load
  52 parts to print; filament use: ~135 g

Note: Filament usage values are estimated for PLA and may vary depending on slicer settings.

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