

LGB 31690 RhB A 1271

Dimension or feature	Prototype	1:22.5	LGB	LGB Scale	% error +/-	Score
Width	2560	114	103	1:24.8	- 10.6%	Questionable
Height	3430	152	157	1:21.8	+ 3.2%	Very Good
Length over buffers	16454	731	620	1:26.5	- 17.9%	Questionable
Axle distance	12580	559	468		- 19.5%	Questionable
Kingpin distance	10780	479	388		- 23.4%	Questionable
Axle distance within truck	1800	80	80		0%	Excellent
Wheel dia.	750	33.3	30.8		- 8.2%	Passable
Railhead to Center of buffer	620	27.6	33.5		+ 17.7%	Questionable

Length of Body	15464	687.3	579		- 18.6%	Questionable
Railhead to Skirt	620	27.5	33		+ 20%	Questionable
Height of Windows	975	43.3	39		- 11%	Questionable

Comments: Being as the A 1271 is supposed to be the prototype for the LGB car series, it is distressing just how far off the mark the measurements are!

How the measurements are rated:

+/- 1.0% or better :	Excellent
+/- 1.1 to 4% :	Very Good
+/- 4.1 to 7% :	Good
+/- 7.1 to 10% :	Passable
+/- 10.1% and above :	Questionable

Measurements taken with:

- Vernier (0-450mm; 0.02mm accuracy)
- Digital Vernier (0-200mm; 0.01mm accuracy)
- Height Gauge (0-250mm; 0.02mm accuracy)