

Twist Test Proposal

Originally proposed by Castledare Miniature Railway, this proposal asked the ALSSC to look at the twist factor allowed in Section 6.3.1.12 of the CoP – Standards as it was considered insufficient.

Two club submissions were received, one for 5" gauge and one for 7.25" gauge. Both submissions gave good reasons why the twist factor should be increased. As this would increase the safety factor, particularly on uneven tracks the following is proposed.

Proposal

That the Code of Practice – Standards for Interoperability and Safety of Miniature Railways, Road Vehicles and Plant be amended as follows:

6.3.1.12. Be capable of negotiating, at tare and without lifting a wheel off the rails, the worst case twist in the track being used for passenger hauling. All newly-built carriages shall be capable of negotiating, at tare and without lifting a wheel off the rails, a minimum cant ramp gradient of 0.67% (1:150). Any carriage with a distance greater than 1800mm between bogies will be deemed to be 1800mm and $D/150$ will be a maximum of 12mm.

