



Crossing Dimensions Compatible with Pre-BRMSB Wheelsets

In 1950 the British Model Railway Standards Bureau published dimensional standards for track and wheelsets which remained the current standards until, in 1989, the Bureau having been disbanded, they were superseded by compatible Standards published by the Guild.

Before publication of the BRMSB Standards, manufacturers of track and wheelsets worked to their own standards which were not always compatible with each other, this incompatibility being the reason for setting up the Bureau.

Most manufacturers' standards were based on the Greenly Ordinary Standard, the dimensions of which are listed in Appendix 1 in Part 1, Section 1 of the Guild Manual but some dimensions were amended in order to permit wheels to be nearer to scale width, although they were wider than the later BRMSB Coarse Standard ones.

Much of the pre-BRMSB rolling stock is still in use but it is not generally realised, that if the wheelsets are in the original condition, the most common back to back dimension of 27mm is incompatible with both BRMSB and Guild Coarse Standard track.

Track suitable for pre-BRMSB rolling stock with wheelset back to back dimensions not less than

27mm and back to opposite flange face dimensions not exceeding 29.5mm should therefore be laid to the following dimensions.

Gauge	G	32.0mm
Over check rails	OC	26.5mm max
Check rail to opposite rail face	CR	29.2mm min
Check rail flangeway	FY(C)	2.8mm max
Wing rail flangeway	FY(W)	2.7mm min

The minimum check rail to opposite rail face dimension is less than the maximum wheelset back to opposite flange face dimension. Consequently, for wheelsets with a back to opposite flange face dimension between 29.2mm and 29.5mm the flange taper is relied upon to guide the flange to the inside face of the crossing nose.

Wheelsets complying fully with the BRMSB and Guild Coarse Standards are compatible with this track but their smaller width will result in slight but still acceptable drop-in at the crossing nose.

For wheelset dimensions refer to Data Sheet Group W1.

