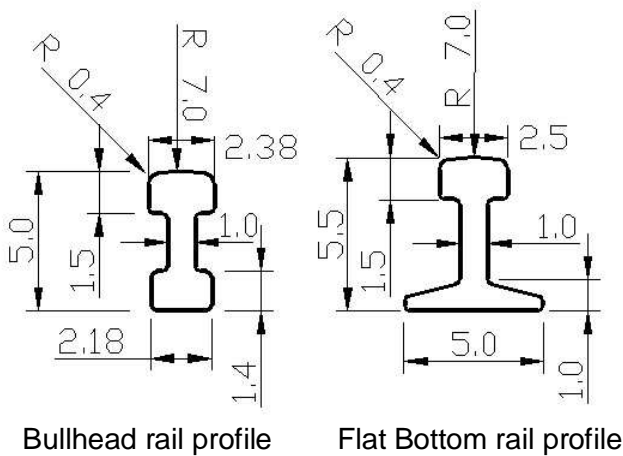


GAUGE 1 MODEL RAILWAY ASSOCIATION – STANDARD DIMENSIONS

1 – RAIL PROFILES:



Bullhead rail profile

Flat Bottom rail profile

2 – TRACK SPACING

British outline – Centre to Centre

- Straight running lines - 115mm minimum
- Curved running lines, under 3650mm radius, - 120mm minimum
- Curved running lines, under 2450mm radius, - 125mm minimum
- Straight sidings - 120mm minimum

Supplement to G1MRA standards – suggested track spacing for non-British stock.

As a result of input from members who run non-British outline stock, we suggest the following centre line spacing as a starting point:

- Parallel track - 135mm tolerance -0/+10mm
- Curves (tight) - 148mm tolerance -0/+12mm
- Curves - 140mm tolerance -0/+15mm

Trackbed area, clear of obstructions (to avoid footsteps etc) 68mm from centre line on curves 60mm on straights.

Stock Gauge – depending on stock but 232mm high will just allow American “Double-Stack Container cars” through. Allow extra side clearance in curved tunnels etc.

3 – ELECTRIC PICK-UP

Conductor rail –

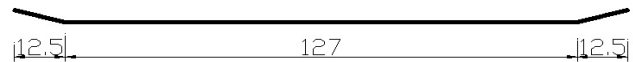
- Height above running rail (top) – 3.0mm
- Centre from inside edge of running rail – 14.00mm

Overhead line - Proposed Standards

- Height of contact wire above rail – 160mm
- tolerance -10/+20
- Maximum offset from centre line of track 12.5mm

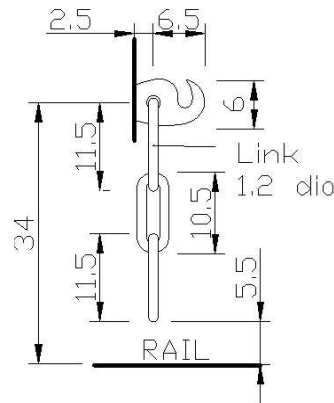
Stud Contact

Skate dimensions. Allow 3.2mm rise at ends



	Standard	Fine
Skate width	20 mm	12.5 mm
Studs:		
Maximum spacing	114 mm	114
Maximum height above rails	1.6 mm	1.6 mm
Maximum rise between adjacent studs	1.6 mm	1.6 mm
Maximum offset from centre – line of track at turnouts	8 mm	4.8 mm

4 – BUFFERS AND COUPLINGS

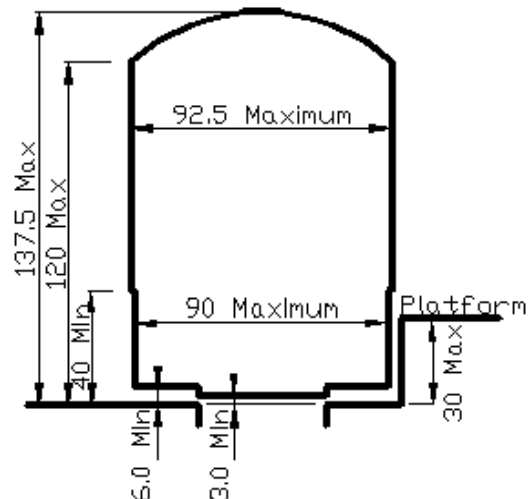


Buffers Height above rail - 35mm

Centres - 57mm

Couplings – links 1.2 diameter

5 – STOCK GAUGE British Prototypes



All dimensions in mm

RG 17/04/09