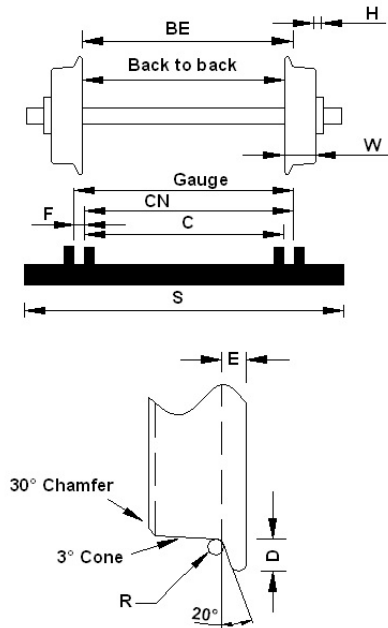


STANDARD DIMENSIONS FOR GAUGE '1'

WHEELS AXLES AND TRACK, STANDARD GAUGE 1

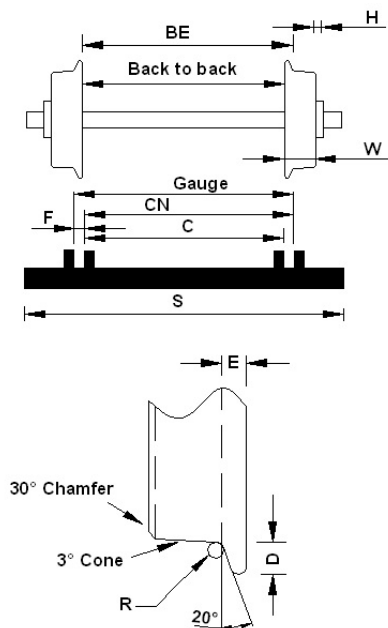
The overwhelming majority of garden and "indoor" railways use "Standard" gauge because of its record for reliable running, proven over many years. Components should be machined as close as possible to these dimensions in order to minimise running problems.



Description	MM		Inches	
Gauge *	45.0	+0/-0.5	1.772	+0 / -0.020
Back to Back	40.0	+0.5/-0	1.574	+0.020/-0
BE - B to B + flange	41.5	+/- 0.5	1.634	+/- 0.020
CN - Check gauge	42.0	+0.5/-0	1.654	+0.020/-0.0
C - Over check rails	39.5	max	1.555	max
F - Flangeway	3.0	+0/-0.5	0.120	+0/-0.020
W - Wheel width	6.0	+0/-0.5	0.236	+0/-0.020
H - Hub projection	0.5	+/- 0	0.020	+/-0
D - Flange depth **	2.0	max	0.079	max
E - Flange width	1.5	+0/-0.5	0.060	+0/-0.020
R - Root Radius	0.5	min	0.020	min
S - Sleeper length	90.0		3.54	
Sleeper width	9.5		0.375	
* note – may widen to 45.5 for tight curves				
**note – for sprung or equalised wheels use 1.5mm				

WHEELS AXLES AND TRACK, FINE GAUGE 1

Fine Gauge works well where "close to" prototypical track and wheels are required. Sometimes used for indoor tracks, it is not compatible with standard gauge. Used by comparatively few members. Fine scale has been developed further, for example **ScaleOne32**. For details contact the Technical Secretary or visit the G1MRA web page.



Description	MM	Inches
Gauge – may widen to 45.5 for tight curves	45.0	1.772
Back to Back	42.0	1.654
BE - B to B + flange	43.25	1.703
C - Over check rails	41.5	1.634
CN - Check gauge	43.45	1.703
F - Flangeway	1.75	0.069
W - Wheel width	5.0	0.197
H - Hub projection	0.5	0.020
D - Flange depth	1.5	0.060
E - Flange width	1.0	0.039
R - Root Radius	0.5	0.020
S - Sleeper length	90.0	3.54
Sleeper width	9.5	0.375