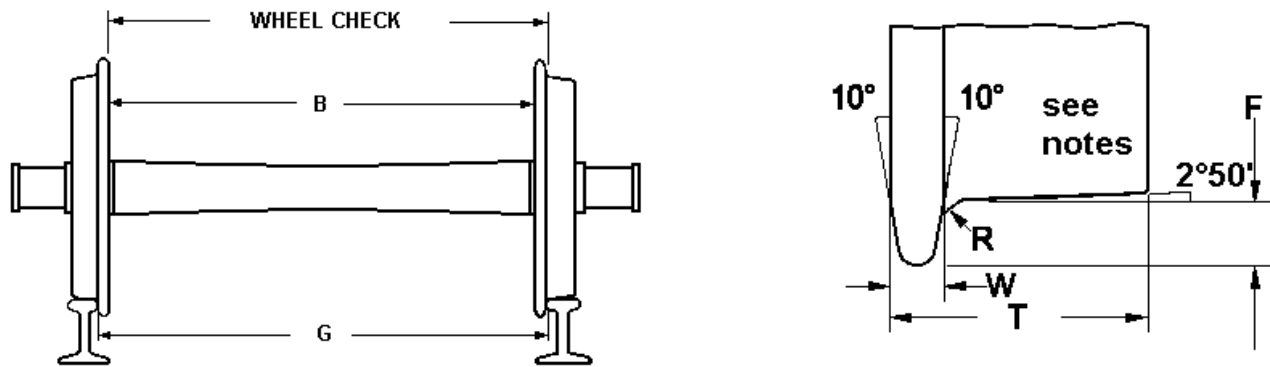


IBLS WHEEL STANDARDS



These "Interim IBLS Standards" have been widely adopted and have become the accepted wheel standards for the hobby.

		TRACK GAUGE	T TIRE WIDTH	W FLANGE WIDTH	F FLANGE DEPTH	R CONTOUR RADIUS	B BACK TO BACK	G WHEEL GAUGE	Wheel Check
1 to 1	Full Sized Prototype	56.50"	5.50"	1.56"	1.125"	0.688"	53.38"		54.53"
¾" to 1 foot	Scaled Prototype	3.531"	0.344"	0.072"	0.070"	0.043"	3.335"		3.408"
¾" to 1 foot	IBLS Standard	3.50" MIN	0.406" MIN	0.094" MAX	0.094" MAX	0.047" +/- .008	3.281" +.020 - .000	3.470" +.000 - .020	3.375" REF
1" to 1 foot	Scaled Prototype	4.708"	0.458"	0.096"	0.094"	0.057"	4.448"		4.544"
1" to 1 foot	IBLS Standard	4.75" MIN	0.505" MIN	0.125" MAX	0.140" MAX	0.062" +/- .010	4.437" +.020 - .000	4.690" +.000 - .020	4.562" REF
1½" to 1 foot	Scaled Prototype	7.062"	0.688"	0.144"	0.141"	0.086"	6.672"		6.816"
1½" to 1 foot	IBLS 7¼"	7.25" MIN	0.750" MIN	0.156" MAX	0.187" MAX	0.094" +/- .015	6.870" +.020 - .000	7.190" +.000 - .020	7.031" REF
1½" to 1 foot	IBLS 7½"	7.50" MIN see note 1	0.750" MIN	0.156" MAX	0.187" MAX	0.094" +/- .015	7.120" +.020 - .000	7.440" +.000 - .020	7.281" REF

Note 1: Most tracks are being built to 7.5625" to 7.625 gauge to reduce railhead wear.

Note 2: The 2°50' taper is listed in the AAR Wheel and Axle Manual as a 1 in 20 which works out to 2°51'44.6588" or 2.8624° Coupler height from center of coupler to the top of the rail. 2.19" (in ¾" scale) 2.89" (in 1" scale) 4.38" (in 1.5" scale)