

7¼" Gauge Society Recommended Wheel and Track Standards -
Dimensions



	DIMEN- SION	STANDARD GAUGE			NARROW GAUGE		
		FRACTION	IMPERIAL	METRIC	FRACTION	IMPERIAL	METRIC
TRACK DIMENSIONS							
FLANGEWAY	"A"	$\frac{9}{32}$ -0 + $\frac{1}{32}$	0.281 -0 +0.031	7.15 -0 +0.79	$\frac{9}{32}$ -0 + $\frac{1}{32}$	0.281 -0 +0.031	7.15 -0 +0.79
MAX. GAUGE WIDENING ON CURVES		$\frac{1}{8}$	0.125	3.18	$\frac{1}{8}$	0.125	3.18
TRACK GAUGE	"B"	$7\frac{1}{4}$ -0 + $\frac{1}{64}$	7.25 -0 +0.015	184 -0 +0.38	$7\frac{1}{4}$ -0 + $\frac{1}{64}$	7.25 -0 +0.015	184 -0 +0.38
WHEELSET DIMENSIONS							
CHECK GAUGE	"C"	$6\frac{15}{16}$ -0 + $\frac{1}{32}$	6.938 -0 +0.031	176.5 -0 +0.79	$6\frac{15}{16}$ -0 + $\frac{1}{32}$	6.938 -0 +0.031	176.5 -0 +0.79
DIAMETER POINT	"D"	$\frac{17}{64}$	0.265	6.73	$\frac{5}{16}$	0.313	7.94
FLANGE ANGLE	"E"		20°	20°		20°	20°
FLANGE DEPTH	"F"	$\frac{3}{16}$	0.188	4.76	$\frac{1}{4}$	0.250	6.35
FLANGE THICKNESS	"G"	$\frac{9}{64}$	0.140	3.55		0.190	4.82
FLANGE TIP RADIUS	"H"	$\frac{1}{16}$	0.063	1.59		0.081	2.06
MIN. WHEEL WIDTH	"J"	$\frac{13}{16}$	0.813	20.64	$1\frac{1}{8}$	1.125	28.58
ROOT RADIUS	"K"	$\frac{1}{8}$	0.125	3.18	$\frac{1}{8}$	0.125	3.18
TREAD CONING ANGLE (MAX.)	"L"		3°	3°		3°	3°
WHEEL BACK TO BACK	"M"	$6\frac{13}{16}$ -0 + $\frac{1}{64}$	6.813 -0 +0.015	173 -0 +0.38	$6\frac{3}{4}$ -0 + $\frac{1}{64}$	6.750 -0 +0.015	171.5 -0 +0.38