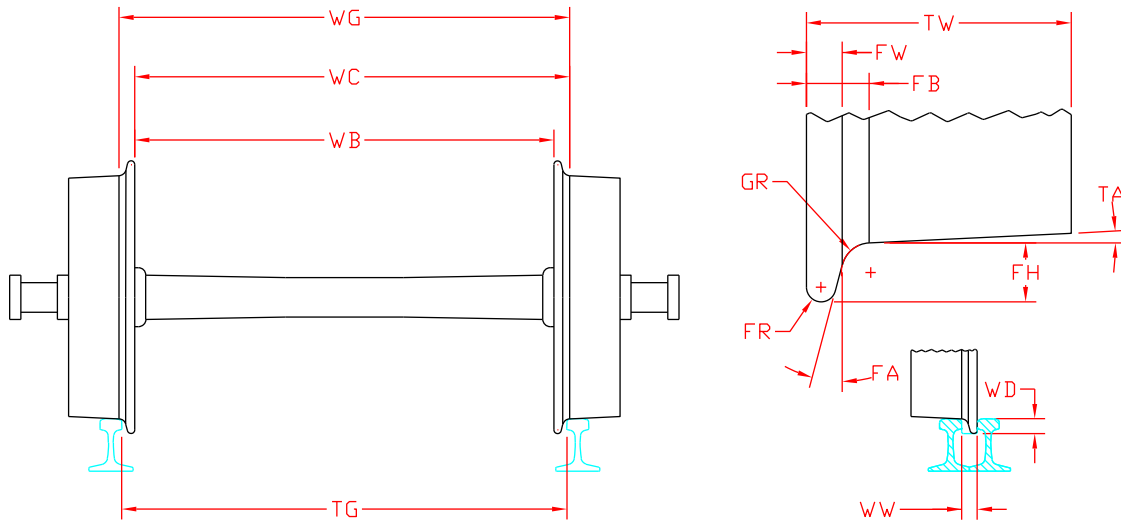




# RMI-25 WHEEL STANDARDS

## FOR 2.5" & 3.75" SCALE ON 7.25" AND 7.5" GAUGE TRACK



### Dimensions for 7.50 Track Gauges (TG)

Symbol	Dimension Name	Value Fractions	Value Decimals
<b>TG</b>	Track Gauge	7 1/2" Min 7 9/16" Normal 7 5/8" Max	7.5" Min 7.5625" Typ 7.625" Max
<b>WW</b>	Flange Way Width	17/64" Nominal	.257 Nominal
<b>WD</b>	Flange Way Depth	1/4" Nominal	.250 Nominal
<b>TW</b>	Tire Width	1 1/8" Nominal	1.125" Nominal
<b>TA</b>	Tread Angle	3.0°	3.0°
<b>FW</b>	Flange Width	5/32" NMT	.156" NMT
<b>FB</b>	Flange Base	17/64" Nominal	.2674" Nominal
<b>FH</b>	Flange Height	1/4"	.250"
<b>FA</b>	Flange Angle	15°	15°
<b>GR</b>	Gauge Radius -New -With Wear	1/8" NMT 3/32" Min	.125" NMT .0937" Min
<b>FR</b>	Flange Radius	1/16"	.0625"
<b>WB</b>		7 1/8"	7.120+.020
<b>WC</b>		7 1/4" Max	7.250 Max 7.242 Min
<b>WG</b>		7 3/8" Max	7.375 Max 7.359 Min

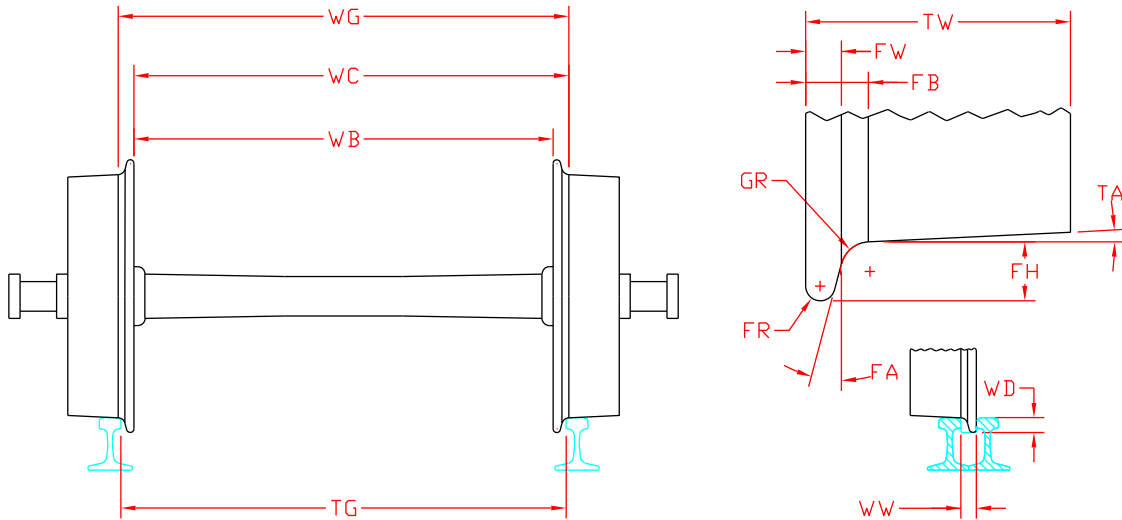
RMI RAILWORKS 174 LAMBERT ST., OXNARD CA 93036

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# RMI-25 WHEEL STANDARDS

## FOR 2.5" & 3.75" SCALE ON 7.25" AND 7.5" GAUGE TRACK



### Dimensions for 7.25 Track Gauges (TG)

Symbol	Dimension Name	Value Fractions	Value Decimals
<b>TG</b>	Track Gauge	7 1/4" Min 7 5/16" Typ 7 3/8" Max	7.25" Min 7.3125" Typ 7.375" Max
<b>WW</b>	Flange Way Width	17/64" Nominal	.265 Nominal
<b>WD</b>	Flange Way Depth	1/4" Nominal	.250 Nominal
<b>TW</b>	Tire Width	1 1/8" Nominal	1.125" Nominal
<b>TA</b>	Tread Angle	3.0°	3.0°
<b>FW</b>	Flange Width	5/32" NMT	.156" NMT
<b>FB</b>	Flange Base	17/64" Nominal	.2674" Nominal
<b>FH</b>	Flange Height	1/4"	.250"
<b>FA</b>	Flange Angle	15°	15°
<b>GR</b>	Gauge Radius -New -With Wear	1/8" NMT 3/32" Min	.125" NMT .0937" Min
<b>FR</b>	Flange Radius	1/16"	.0625"
<b>WB</b>		6 7/8" Min	6.875" +.010
<b>WC</b>		7 1/32" Max	7.031 Max 7.023 Min
<b>WG</b>		7 3/8" Max	7.375 Max 7.359 Min

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# **RMI-25 WHEEL STANDARDS**

## **FOR 2.5" & 3.75" SCALE ON 7.25" AND 7.5" GAUGE TRACK**

### ***Wheel Dimension Notes:***

#### **Tolerance**

The amount by which a dimension can vary from the given value is the tolerance. This is listed as:

- ! Min – This is the smallest the value can be, any larger value is acceptable
- ! NLT Not Less Than – Similar to a minimum but the actual value should be as close as possible to the given value without being smaller than it
- ! NMT Not More Than – Similar to maximum but the actual value should be as close as possible to the given value without being larger than it
- ! Typ (typical) – Approximate value

#### **Changes with Wear**

- ! With wear the gauging radius (GR) will become smaller. Both a recommended value for new wheels and a minimum with wear are given.
- ! The flange width (FW) will become thinner. It is specified only as NMT.
- ! The flange height (FH) will become higher. Both a recommended value for new wheels and a maximum with wear are given.