

# Train Mountain 7½" Gauge Railroad Standards

## Boiler Inspection:

Certificates required to operate	Yes
Percent operating pressure	150%
Accept other club certificates	Yes
Frequency	Annual

## Bridge & Trestle Minimums:

Clearance under bridge	83"
Internal height	83"
Internal width-single track	64"
Internal width-double track	112"
Height above ground for railing	30"
Railing height	42"
Maximum opening below railing	4"
Actual shortest clearance under bridge	85"
Actual shortest internal height	83"
Actual narrowest internal width-single	64"
Actual narrowest internal width-dbl	128"

## Crossbucks:

Material	Aluminum
Width	4"
Length	21½"
Pole size	1¼"
Height of center above ground	72"

## Curve Radius:

Main line preferred minimum	100'
Main line absolute minimum	75'
Storage track minimum	50'
Actual main line minimum	75'

## Fouling Point:

Distance between track centers	34"
Marker for location	2" washer

## Grade Standards:

Maximum	2.0%
Better	1.5%
Best	1.0%
Actual steepest grade-avoidable	3.29%
Actual steepest grade-unavoidable	2.67%
Actual next steepest grade	2.65%
Actual next steepest grade	2.18%
Actual next steepest grade	2.06%

## Grade Crossings:

Crossing width-single track	24"
Crossing width-double track	96"
Concrete depth	24"
Flangeway depth	¾"
Flangeway width	1½"
Rail material	Steel
I beam dimensions	2¼" x 3"
Actual narrowest crossing width	24"
Actual narrowest flangeway depth	½"
Actual shallowest flangeway width	¾"

## Mileposts:

Distance between	105.6'
Grade information to next post	Yes
Height of bottom above ground	12"
Interval	.02 mile
Other information	Grade
Posts per mile	50
Scale (actual or scale miles)	Actual
Size	2" x 3"

## Rail:

Length	10'
Height	.995"
Width at foot	.937"
Main line rail type	Steel
Yard and siding type	Alum

## Riding Cars:

Car type (flat, gondola, trestle)	Flat
Coupler height at coupler center	4-5/16"
Maximum seats per 6' car	1
Maximum seats per 8' car	2
Maximum seats per 10' car	3
Maximum seats per 12' car	3
Safety chain/cable	Yes
Seating surface height above rail	14½"
Seat type (bench or boat)	Boat

## Roadbed:

Distance between track centers	4'
Ditch depth if on cut	6"
Ditch width if on cut	12"
Fill height if on flat land	6"
Underlayment (fiber, plastic, none)	Plastic
Width-single track	8'
Width-double track	12'

## Snow Plow Cutting Edge:

Minimum height above rail	3/8"
Maximum width across track	36"
Skid plate (plastic or wood) width	2"

## Steaming Bays:

Air line pipe material	½" steel
Ash pans available	Yes
Clearance to transfer or turntable	16"
Dimensions of steel C channel	1½" x 4"
Electricity-grounded	110
Height above ground	37"
Length	20'
Spacing between supports	67"
Water line pipe material	½" galv

## Switch minimum radius:

Main line divergence	100'
All other main line	75'
Sidings	75'
To dead end storage tracks	50'

## Switch stand minimum distances:

From track centerline	24"
To remote switch throw	40"

## Tie Dimensions:

Width	2"
Depth	3"
Length	16"
Distance between tie centers	4"
Space between ties	2"
Material	Plastic

## Track Gauge:

Nominal gauge	7½"
Actual gauge tangent track	7-5/8"
Actual gauge curve track	7-5/8"
Actual gauge at switch	7½"

**Passing Sidings:**

Minimum distance between	3000'
Minimum length	140'
Minimum length of storage track	12'
Storage track for bad order cars	Yes

**Public Train Rides:\***

Admission (free or pay)	Free
Conductor at end of train	Yes
Conductor have flag & whistle	Yes
Distance covered by public ride	7,600'
Donation box at entrance	Yes
Donation box at exit	Yes
Donation average per ride given	US \$.00
Duration of public ride in minutes	17
Insurance cost per annum	US \$0,000
Rides given per run day (average)	000
Safety speech before each trip	Yes
Speed for public rides	5 mph
Ticket cost per ride	N/a

**Track panel construction:**

Rail joiner-TM slip on type	Yes
Rail joiner-bars, bolts & nuts	No
Rail length	10'
Rail offset	12"
Ties per panel	30
Tie plate	Yes
Track gauge	7-5/8"
Screw head	Phillips
Screw length	1"
Screws per panel	123

**Train Operating Requirements:**

Boiler certificate for steamers	Yes
Flagger with 12" x 12" flag/lantern	Yes
Green blocks for derailment sites	Yes
Headlight on locomotive at night	Yes
Radio equipped (FRS)	Yes
Red light on rear of train at night	Yes
Safety chains or drawbars	Yes
Spark arrestor/ashpan for steamers	Yes
Speed limit unless posted	7 mph
Train length maximum	140'
Train separation	210'
Whistle at grade crossings	Yes

**Tunnel minimum dimensions:**

Internal width-single track	64"
Internal width-double track	112"
Internal height	83"
Portal width-single track	48"
Portal width-double track	96"
Portal height	83"
Actual narrowest internal-single	56"
Actual narrowest internal-double	144"
Actual lowest internal height	77"
Actual narrowest portal width	44"
Actual lowest portal height	73"

\*Conducted by Klamath & Western Railroad