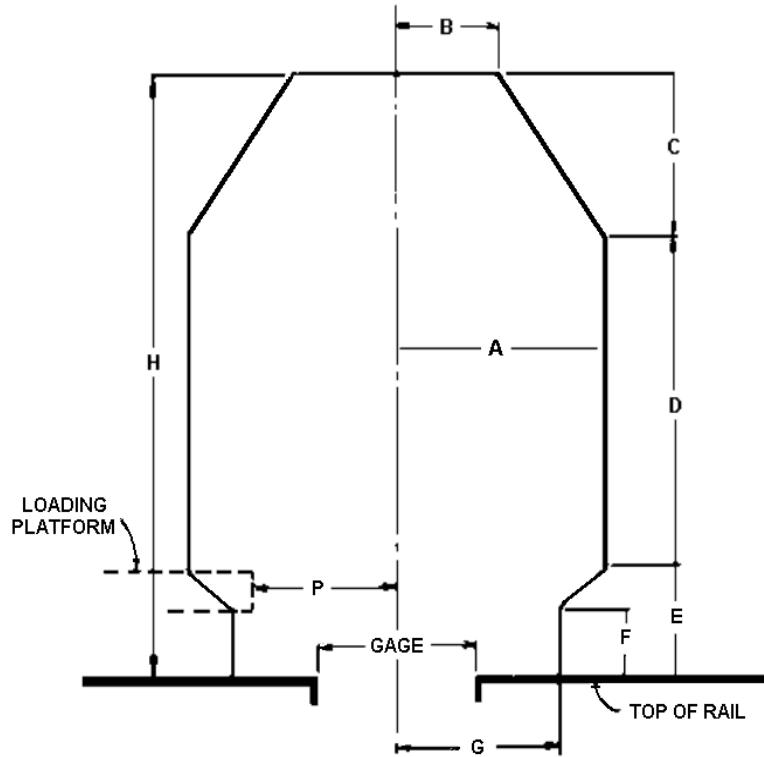


Approved July 2002 by BOT. Added On30 to On3 line January 2008.

<b>NMRA Standards</b>	
<b>Clearances</b>	
January 2008	<b>S-7</b>

This Clearance Diagram and its dimensions product the Preferred "M" Track Centers shown in STANDARD S-8, which also shows the additional side clearance and Track Centers required for curved track.



### BRIDGE AND STRUCTURE CLEARANCES-TANGENT TRACK

Scale	A	B	C	D	E	F	G	H	P
1"							6 1/2" 165mm		
O(17)	2" 50.8mm	1 1/16" 27.0mm	1 19/32" 40.5mm	3 3/16" 81.0mm	1 1/16" 27.0mm	11/16" 17.5mm	1 19/32" 40.5mm	5 27/32" 148mm	1 19/32" 40.5mm
O	1 7/8" 47.6mm	1.0" 25.4mm	1 1/2" 38.1mm	3" 76.2mm	1" 25.4mm	5/8" 15.9mm	1 1/2" 38.1mm	5 1/2" 140mm	1 1/2" 38.1mm
On3/On30	1 1/2" 38.1	3/4" 19.0mm	1" 25.4mm	2 1/2" 63.5mm	3/4" 19.0mm	1/2" 12.7mm	1 3/8" 34.9mm	4 1/4" 108mm	1 3/8" 34.9mm
On2	1 7/16" 36.5mm			2 1/2" 63.5mm	5/8" 15.9mm		1 1/8" 28.6mm	4 1/4" 108mm	
S	1 13/32" 35.7mm	3/4" 19.0mm	1 1/8" 28.6mm	2 1/4" 57.2mm	3/4" 19.0mm	15/32" 11.9mm	1 1/8" 28.6mm	4 1/8" 105mm	1 1/8" 28.6mm
Sn3	1 1/8" 28.6mm	9/16" 14.3mm	3/4" 19.0mm	1 7/8" 47.6mm	9/16" 14.3mm	3/8" 9.5mm	1 1/32" 26.2mm	3 3/16" 81.0mm	1 1/32" 26.2mm
OO	1 3/16" 30.2mm	5/8" 15.9mm	15/16" 23.8mm	1 7/8" 47.6mm	5/8" 15.9mm	3/8" 9.5mm	15/16" 23.8mm	3 7/16" 87.3mm	15/16" 23.8mm

Scale	A	B	C	D	E	F	G	H	P
<b>HO</b>	1 1/32" 26.2mm	9/16" 14.3mm	13/16" 20.6mm	1 5/8" 41.3mm	9/16" 14.3mm	11/32" 8.7mm	13/16" 20.6mm	3" 76.2mm	13/16" 20.6mm
<b>HO<sub>n3</sub></b>	27/32" 21.4mm	13/32" 10.3mm	9/16" 14.3mm	1 3/8" 34.9mm	13.32" 10.3mm	9.32" 7.1mm	3/4" 19.0mm	2 11/32" 59.5mm	3/4" 19.0mm
<b>TT</b>	3/4" 19.0mm	13/32" 10.3mm	19/32" 15.1mm	1 3/16" 30.2mm	13/32" 10.3mm	1/4" 6.4mm	19/32" 15.1mm	2 3/16" 55.6mm	19/32" 15.1mm
<b>TT<sub>n3</sub></b>	5/8" 15.9mm	5/16" 7.9mm	7/16" 11.1mm	7/8" 22.2mm	5/16" 7.9mm	3/16" 4.8mm	9/16" 14.3mm	1 23/32" 43.7mm	9/16" 14.3mm
<b>N</b>	19/32" 15.1mm	5/16" 7.9mm	7/16" 11.1mm	29/32" 23.0mm	5/16" 7.9mm	3/16" 4.8mm	15/32" 11.9mm	1 21/32" 42.1mm	15/32" 11.9mm

**NOTES:**

1. Narrow Gage locomotives with extra-wide cylinder spacing such as "K" types, require standard gage dimensions for A, B, G and P.

2. For increased clearances in curved track follow rules of STANDARD S-8.