

NMRA STANDARDS	
MODULE STANDARDS STANDARD GAUGES	
Revised 1-90	MS-1.0

Modules built prior to the acceptance of these Standards will be exempt from these standards. However, if non-conforming modules are to interface with conforming modules, a transition module will be required to accommodate any difference in trackage, electrical, etc.

(*) denotes change from previous issue.

Gauge	Height From Floor To Top of Rail	Hand Laid or Commercial Rail Code***	Track Clearances* H=Horiz V=Vertical	Interface Track Center Lines from Module Front	Track Setback From End of Module	Center Lines On Curves	Track Centers For Parallel Tracks
Z	40" (1016mm)	60 (40) ¹	H=15/32" (12mm) V=1-19/64 (33mm)	(*)5" (127mm) 6" (152mm)	2-3/16" (55mm)	1" (25mm)	1" (25mm)
*Two through tracks required							
N	40" (1016mm)	80 ⁵ 55-70(*)	H=19/32" (15mm) V=1-21/32" (42mm)	4,5-1/2,7" (101.6mm) (139.7mm) (177.8mm)	2-15/32" (62.7mm)	1-1/2" (38.1mm)	1-1/2" (38.1mm)
Three through tracks required, Mainline. One through track required, Secondary.							
TT	40" (1016mm)	70	H=3/4"(19mm) V=2-3/16" (56mm)	4"(101.6mm) 5-3/4"(146mm) 9-1/2"(241mm)	3" (76.2mm)	1-3/4" (44.5mm)	1-3/4" (44.5mm)
Two through tracks, Mainline. One through track, Secondary.							
HO	40" (1016mm)	100	H=1-1/32" (26.2mm) V=3"(76.2mm)	5"(127mm) 7"(177.8mm)	4-1/2" (114.3mm)	2-1/2" (63.5mm)	2" (50.8mm)
Two through tracks required, Mainline. Others optional.							
OO	40" (1016mm)	100	H=1-3/16" (30.2mm) V=3-7/16" (87.3mm)	5" (127mm) 7-3/8" (187.3mm)	4-1/2" (114.3mm)	2-5/8" (66.7mm)	2-3/8" (60.3mm)
Two through tracks required. Mainline.							
S	42" (1067mm)	**	H=1-3/32" (27.8mm) V=4-1/8" (104.8mm)	6-1/8"**** (155.6mm) 8-7/8" (225.4mm)	2" (50.8mm)	3-1/2" (88.9mm)	2-3/4" (69.8mm)
(*) One or two mainlines optional. Check local NASG group for details.							
O	42" (1067mm)	148	H=1-7/8" (47.6mm) V=5-1/2" (139.7mm)	6" (152.4mm) 10" (254mm)	2" (50.8mm)	5" (127mm)	4" (101.6mm)
Two mainlines required							
HIGH RAIL Tinplate	36" (914mm)	O Gauge Tinplate	V=1-7/8" (47.6mm) H=5 1/2" (39.7mm)	4" (101.6mm) 7 1/2" (190.5mm)	5" (127)	21 ² (533.4mm) 35 ³ (89mm)	3 1/2" (88.9mm)
Two mainlines required.							

Module lengths for all scales shall be in 2' increments with 2' allowed as transition module. ⁴

* All track clearances are per S-7 and include all other pertinent Standards.

** No rail code recommended, S scale only use RP-3 for track gauge.

*** Hand laid track in N scale and smaller is very fragile and easily damaged in handling and is not recommended.

**** Recommended but not required S scale only.

NOTES: (1) If code 40 rail is used, it must be brought back to code 60 rail 2" from interface.

(2) Inside radius on corner.

(3) Outside radius on corner.

(4) NSG has larger modules in 2' increments up to 24'.

(5) NTRAK uses Atlas or Peco code 80 rail. Code 55-70 is allowed within module but must be brought back to code 80 at interface.