



"Nn3 Beginners Resource List"

- 1) Introduction to Nn3, from NTRAK: <https://nrail.org/Publications>
- 2) The Nn3 Handbook from the Nn3 Alliance from Monroe Models: <http://monroemodels.us/rlw.htm>
- 3) Sloan's Narrow Gauge Data Book , from NTRAK: www.ntrak.org/ntkpubs.html
- 4) Nn3 Manual: Modeling Narrow Gauge Railroads in N Scale: [Nn3 Manual: Modeling Narrow Gauge Railroads in N Scale, 5th Edition: Bob Sloan, Ted Brandon: Amazon.com: Books](#)
- 5) Magazines:
 - 'Narrow Gauge and Shortline Gazette'
 - For Logging railroads, a subscription to 'Timber Times'
 - N Scale Magazine (regular Nn3 column)
- 6) For scratch-building Nn3 locomotives, membership in the 2MM Association and access to their Handbook and construction supplements.
- 7) A reference Prototype to aid in reality of modeling
- 8) If web access is available:
 - "The Nn3 Alliance",
Internet chat room where information is plentiful
<https://groups.io/g/Nn3>
<http://www.Nn3.org>
 - RGS in Nn3
Good pics, proto info.
<http://nn3.tripod.com>
 - Slim Rails
What's available in Nn3, excellent links page.
<http://www.urbaneagle.com/slim/>
 - British Nn3 Modelling by Mark Fielder
See the 'Pizza' micro-layout, learn about the 2mm Association.
<http://www.fielder-rowe.freereserve.co.uk/>
- 9) Nn3 Material Providers (see The Nn3 Handbook for others):
 - Monroe Models <http://monroemodels.us/>
 - RSLaserkits <http://www.rslaserkits.com/>
 - Showcase Miniatures <https://www.showcaseminiatures.net/>
 - Searails <http://searails.com/>
 - Toma Model Works <http://homepage1.nifty.com/tfw/index-e.html>
 - Panamint Models <http://www.shapeways.com/shops/panamintmodels>
 - Ride Trains Nn3 <http://www.shapeways.com/shops/rtrains>
 - Micro Trains Line Nn3 <http://micro-trainsline.com/narrowgauge/nn3>
 - Rokuhan Track & Controllers <http://www.zscaletrack.com/>
 - Fast Tracks Nn3 <http://www.handlaidtrack.com/nn3-scale-a/171.htm>
 - T R Knapp Model Engineering <https://www.shapeways.com/shops/trknappmodelengineering>
- 10) Attend the National Narrow Gauge Convention and shows whenever you can.

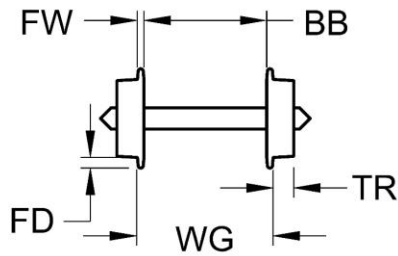
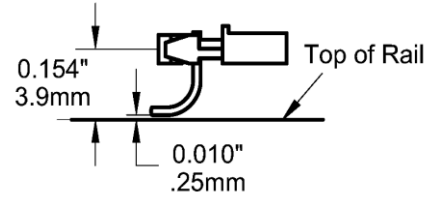


table 1

	WG	BB	FD	FW	TR
	wheel gauge	back to back	flange depth	flange width	wheel tread
STANDARD					
Nn3 / Nm / N6.5	0.24"	0.210"	0.02"	0.016" - 0.018"	0.041"
	6.10 mm	5.33 mm	0.51 mm	0.46 mm	1.04 mm
Nn2 / N4.5	0.161"	0.131"	0.02" ¹	0.016" - 0.018" ¹	0.041" ¹
	4.09 mm	3.33 mm	0.51 mm	0.46 mm	1.04 mm
FINESCALE					
Nn3 / Nm / N6.5	0.24"	0.207	0.017	0.012" - 0.013"	0.027
	6.10 mm	5.26 mm	0.40mm	0.31 - 0.33 mm	0.69 mm
Nn2 / N4.5	0.161"	0.128"	0.017	0.012" - 0.013"	0.027
	4.09 mm	3.25 mm	0.40mm	0.31 - 0.33 mm	0.69 mm
PROTO:					
Nn3	TBD ¹	TBD ¹	TBD ¹	TBD ¹	TBD ¹
Nn2	TBD ¹	TBD ¹	TBD ¹	TBD ¹	TBD ¹

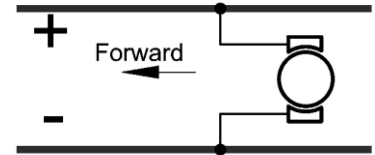
Couplers

Any coupler is permitted. Micro Trains Nn3/Z couplers are Standard for interchange and for use on Nn3 modular layouts.



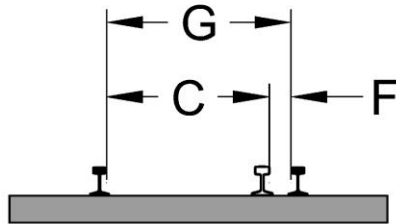
Motor Wiring

Motors should be wired so when the rail on the engineer's side of the locomotive (right side) is positive, the locomotive moves forward.

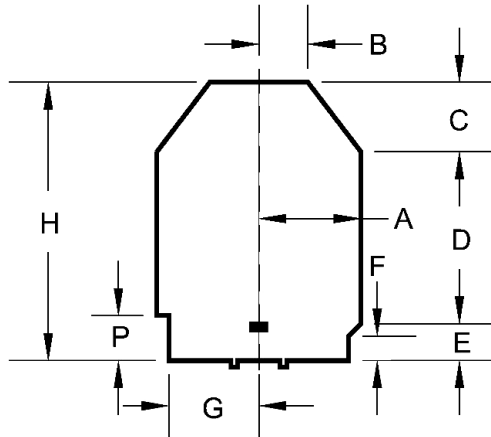
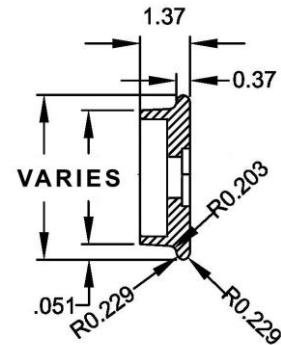


11)

¹ standards still under development at time of printing; check www.nn3.org for updates. TBD = To Be Determined



	G	F	C
	track gauge	flange way	check gauge
STANDARD			
Nn3 / Nm / N6.5	0.256" (6.5 mm)	0.030" (0.76 mm)	0.226" (5.74 mm)
Nn2 / N4.5	0.177" (4.5 mm)	0.030" (0.76 mm)	0.147" (3.74 mm)
FINESCALE			
Nn3 / Nm / N6.5	0.256" (6.5 mm)	0.025" (0.64 mm)	0.229" (5.82 mm)
Nn2 / N4.5	0.177" (4.5 mm)	0.025" (0.64 mm)	0.150" (3.82 mm)
PROTO			
Nm	0.2475" (6.25 mm)	TBD ¹	TBD ¹
Nn3	0.225" (5.72 mm)	TBD ¹	TBD ¹
Nn2	0.150" (3.81 mm)	TBD ¹	TBD ¹



	A	B	C	D	E	F	G	H	P
Nn3/Nm/N6.5	.469"	.225"	.319"	.788"	.169"	.113"	.413"	1.275"	.206"
	11.91mm	5.72mm	8.10mm	20.02mm	4.29mm	2.87mm	10.49mm	32.39mm	5.23mm
Nn2 / N4.5	.449"	.225"	.319"	.788"	.141"	.113"	.338"	1.200"	.172"
	11.40mm	5.72mm	8.10mm	20.02mm	3.58mm	2.87mm	8.59mm	30.48mm	4.37mm