

**Recommendation****Dimensions in mm****Edition 2024**
(Replaces Edition 2016)**1.** This standard sheet is an aid

- to determine the minimum track spacing in curves as a result of the dimensions of existing vehicles and
- to test if vehicles of specific dimensions can be deployed on track whose spacing in curves is known.

Enlarged profiles for special vehicle widths, heights or loading systems that are not generally used in Europe and enlarged profiles for broad-gauge vehicles are not taken into account in this standard.

For country-specific special cases or special routes with special vehicles, the track spacing must be determined elsewhere.

2. The spacing of **straight** standard gauge track, measured from track center to track center, should not be less than the values in the table if possible.

Gauge	Z	N	TT	H0	S	0	I	II
On open track	19	25	34	46	63	89	125	178
In stations / yards	21	28	38	52	71	103	141	200

3. In **curves** the track spacing must be increased. The minimal track spacing to be utilized is taken from the following table, which is subdivided into the vehicle groups A, B, and C according to **NEM 301** ¹⁾.

The spacing should not go below the dimension specified for vehicle group A, even if no vehicles with bogies are present.

The specified track spacing must be fully present at the beginning of curves.

4. Table of Track Spacing

See page 2

¹⁾ Transferred from NEM 103 to NEM 301 from the 2024 edition.

Table of Track Spacing:

Scale	Z	N	TT	H0	S	0	I	II																					
Radius of inner curve	Vehicle Group																												
	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C					
140	22	25																											
175	21	23	25	31																									
200	20	22	24	30																									
225	19	21	23	29	32																								
250	19	20	22	28	31	33	40																						
275	19	20	21	27	30	32	39																						
300	19	19	21	27	29	31	38	42																					
325	19	19	20	26	28	30	37	41																					
350	19	19	20	26	28	29	36	40	43	55																			
400	19	19	19	25	27	28	35	38	41	53	59																		
450	19	19	19	25	26	27	34	37	40	51	57	61	76																
500	19	19	19	25	25	26	34	36	38	50	55	59	74																
550	19	19	19	25	25	26	34	35	37	49	53	57	72	80															
600	19	19	19	25	25	26	34	34	36	48	52	55	70	78	84	116													
700	19	19	19	25	25	25	34	34	35	46	50	52	67	74	80	110													
800	19	19	19	25	25	25	34	34	34	46	48	50	65	71	76	106	119												
900	19	19	19	25	25	25	34	34	34	46	47	48	64	68	73	103	114	123	154										
1000	19	19	19	25	25	25	34	34	34	46	46	47	63	66	70	100	110	118	149	166									
1200	19	19	19	25	25	25	34	34	34	46	46	46	63	64	67	96	104	111	142	155	169	218							
1400	19	19	19	25	25	25	34	34	34	46	46	46	63	63	64	93	99	105	136	147	159	208							
1600	19	19	19	25	25	25	34	34	34	46	46	46	63	63	63	91	96	101	132	141	151	201	225						
1800	19	19	19	25	25	25	34	34	34	46	46	46	63	63	63	89	93	98	129	137	145	195	216	234					
2000	19	19	19	25	25	25	34	34	34	46	46	46	63	63	63	89	91	95	126	133	140	190	208	224					
2500	19	19	19	25	25	25	34	34	34	46	46	46	63	63	63	89	89	90	125	126	132	181	195	207					
3000	19	19	19	25	25	25	34	34	34	46	46	46	63	63	63	89	89	89	125	125	126	178	185	195					
3500	19	19	19	25	25	25	34	34	34	46	46	46	63	63	63	89	89	89	125	125	125	178	178	187					
4000	19	19	19	25	25	25	34	34	34	46	46	46	63	63	63	89	89	89	125	125	125	178	178	181					

Note:

Values with gray background are only for interpolation and are, due to their being less than the NEM 111 minimum radii, not intended for use.