

1. This Recommendation serves as an aid:
 - to determine the minimum track distance on a given curve as a function of the length of rail vehicles in service,
 - to determine the maximum vehicle length as a function of existing curvature and track spacing.

2. The separation between **straight** standard gauge track - centerline to centerline - should be equal to or greater than the values listed in the following table.

| | Z | N | TT | H0 | S | O | 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 separation must be increased. For each radius, use the value from the following table that corresponds to the Vehicle Group A, B, or C as defined in NEM 103. The track separation specified for Vehicle Group A is the minimum and should not be reduced even if bogie-equipped vehicles are not used.

The specified track separation must be present wherever straight track transitions into a curve.

Table of Track Center-line Distances

See page 2

Table of Track Center-line Distances

| Scale | Z | N | TT | HO | S | 0 | I | II | |
|---------------------------|---------------|----|----|----|----|----|----|----|----|
| | Vehicle Group | | | | | | | | |
| Radius of the inner curve | A | B | C | A | B | C | A | B | C |
| 175 | 21 | 23 | 25 | 31 | | | | | |
| 200 | 20 | 22 | 24 | 30 | 33 | | | | |
| 225 | 19 | 21 | 23 | 29 | 32 | 35 | | | |
| 250 | 19 | 20 | 22 | 28 | 31 | 33 | 40 | | |
| 275 | 19 | 20 | 21 | 27 | 30 | 32 | 39 | 44 | |
| 300 | 19 | 19 | 21 | 27 | 29 | 31 | 38 | 42 | 46 |
| 325 | 19 | 19 | 20 | 26 | 28 | 30 | 37 | 41 | 45 |
| 350 | 19 | 19 | 20 | 26 | 28 | 29 | 36 | 40 | 43 |
| 400 | 19 | 19 | 19 | 25 | 27 | 28 | 35 | 38 | 41 |
| 450 | 19 | 19 | 19 | 25 | 26 | 27 | 34 | 37 | 40 |
| 500 | 19 | 19 | 19 | 25 | 25 | 26 | 34 | 36 | 38 |
| 550 | 19 | 19 | 19 | 25 | 25 | 26 | 34 | 35 | 37 |
| 600 | 19 | 19 | 19 | 25 | 25 | 26 | 34 | 34 | 36 |
| 700 | 19 | 19 | 19 | 25 | 25 | 25 | 34 | 34 | 35 |
| 800 | 19 | 19 | 19 | 25 | 25 | 25 | 34 | 34 | 34 |
| 900 | 19 | 19 | 19 | 25 | 25 | 25 | 34 | 34 | 34 |
| 1000 | 19 | 19 | 19 | 25 | 25 | 25 | 34 | 34 | 34 |
| 1200 | 19 | 19 | 19 | 25 | 25 | 25 | 34 | 34 | 34 |
| 1400 | 19 | 19 | 19 | 25 | 25 | 25 | 34 | 34 | 34 |
| 1600 | 19 | 19 | 19 | 25 | 25 | 25 | 34 | 34 | 34 |
| 1800 | 19 | 19 | 19 | 25 | 25 | 25 | 34 | 34 | 34 |
| 2000 | 19 | 19 | 19 | 25 | 25 | 25 | 34 | 34 | 34 |
| 2500 | 19 | 19 | 19 | 25 | 25 | 25 | 34 | 34 | 34 |
| 3000 | 19 | 19 | 19 | 25 | 25 | 25 | 34 | 34 | 34 |
| 3500 | 19 | 19 | 19 | 25 | 25 | 25 | 34 | 34 | 34 |
| 4000 | 19 | 19 | 19 | 25 | 25 | 25 | 34 | 34 | 34 |