

Interurban Track Centers and Obstacle Clearances

Author(s): Van S. Fehr

NMR/	Recommended
	Practices
	RP-7.4
	KP-7.4
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This **RP** is similar to **NMRA RP-7.2** Curved Track Centers and **NMRA RP-7.3** Curved Track Obstacle Clearances. While track center and obstacle clearance calculation methodology is the same as that for conventional equipment, there is only one limiting type of interurban equipment:

Interurban Car: 55-foot to corner posts, 40 feet between bolsters

Tangent Centers: 12.5 feet **Tangent Obstacle:** 6.0 feet

That means a single table may contain both track centers and obstacle clearances. Further, interurban equipment often operates on curves that are far sharper than those used for conventional equipment. Use this table in the same manner as instructed in **NMRA RP-7.2** and **RP-7.3**.

PROTOTYPE Radius (ft.)	35	45	60	75	100	125	150	175	200	Tangent
TROTOTTI E Radias (16.)		-10		,,,	100	123	130	1,3	200	rungene
Inside Clearance (ft.)	12.28	10.69	9.43	8.72	8.02	7.61	7.34	7.15	7.00	6.00
Outside Clearance (ft.)	8.51	8.25	7.92	7.67	7.37	7.15	7.00	6.88	6.78	6.00
Track Centers (ft.)	19.54	18.55	17.45	16.67	15.79	15.21	14.80	14.50	14.27	12.50
1/2" SCALE	17 1/2"	22 1/2"	30"	37 1/2"	50"	62 1/2"	75"	87 1/2"	100"	Tangant
Radius (in.)	17 1/2	22 1/2	30	3/ 1/2	30	02 1/2	/5	0/ 1/2	100	Tangent
Inside Clearance (in.)	6 1/8"	5 11/32"	4 23/32"	4 11/32"	4"	3 13/16"	3 21/32"	3 9/16"	3 1/2"	3"
Outside Clearance (in.)	4 1/4"	4 1/8"	3 31/32"	3 27/32"	3 11/16"	3 9/16"	3 1/2"	3 7/16"	3 13/32"	3"
Track Centers (in.)	9 25/32"	9 9/32"	8 23/32"	8 11/32"	7 29/32"	7 19/32"	7 13/32"	7 1/4"	7 1/8"	6 1/4"
O SCALE	8 3/4"	11 1/4"	15"	18 3/4"	25"	31 1/4"	37 1/2"	43 3/4"	50"	Toncont
Radius (in.)	0 3/4	11 1/4	15	10 3/4	25	31 1/4	3/ 1/2	45 5/4	50	Tangent
Inside Clearance (in.)	3 1/16"	2 11/16"	2 11/32"	2 3/16"	2"	1 29/32"	1 27/32"	1 25/32"	13/4"	1 1/2"
Outside Clearance (in.)	2 1/8"	2 1/16"	1 31/32"	1 29/32"	1 27/32"	1 25/32"	1 3/4"	1 23/32"	1 11/16"	1 1/2"
Track Centers (in.)	4 7/8"	4 5/8"	4 3/8"	4 5/32"	3 15/16"	3 13/16"	3 11/16"	3 5/8"	3 9/16"	3 1/8"
S SCALE	c 0/1c"	8 7/16"	11 1/4"	14 1/16"	10 2 /4"	23 7/16"	20 1 /0"	22 12/16"	37 1/2"	Toncont
Radius (in.)	6 9/16"	8 //10	11 1/4	14 1/16	18 3/4"	23 //10	28 1/8"	32 13/16"	3/ 1/2	Tangent
Inside Clearance (in.)	2 5/16"	2"	1 25/32"	15/8"	1 1/2"	1 7/16"	1 3/8"	1 11/32"	1 5/16"	1 1/8"
Outside Clearance (in.)	1 19/32"	1 17/32"	1 1/2"	1 7/16"	13/8"	1 11/32"	1 5/16"	1 9/32"	1 9/32"	1 1/8"
Track Centers (in.)	3 21/32"	3 15/32"	3 9/32"	3 1/8"	2 31/32"	2 27/32"	2 25/32"	2 23/32"	2 11/16"	2 11/32"
HO SCALE	4 12 /16"	c 2/16"	0.0/22"	10 11 /22"	12 25 /22"	17 7/22"	20 21 /22"	24 1/8"	27 9/16"	Toncont
Radius (in.)	4 13/16"	6 3/16"	8 9/32"	10 11/32"	13 25/32"	17 7/32"	20 21/32"	24 1/8	27 9/16	Tangent
Inside Clearance (in.)	1 11/16"	1 15/32"	1 5/16"	1 3/16"	1 3/32"	1 1/16"	1"	1"	31/32"	13/16"
Outside Clearance (in.)	1 3/16"	1 1/8"	1 3/32"	1 1/16"	1"	1"	31/32"	15/16"	15/16"	13/16"
Track Centers (in.)	2 11/16"	2 9/16"	2 13/32"	2 9/32"	2 3/16"	2 3/32"	2 1/32"	2"	1 31/32"	1 23/32"
N SCALE	2 5/8"	3 3/8"	4 1/2"	5 5/8"	7 1/2"	9 3/8"	11 1/4"	12 1 /0"	15"	Tangant
Radius (in.)	2 5/8	3 3/8	41/2	2 2/8	/ 1/2	9 3/8	11 1/4	13 1/8"	15	Tangent
Inside Clearance (in.)	29/32"	13/16"	23/32"	21/32"	19/32"	9/16"	9/16"	17/32"	17/32"	7/16"
Outside Clearance (in.)	5/8"	5/8"	19/32"	9/16"	9/16"	17/32"	17/32"	17/32"	1/2"	7/16"
Track Centers (in.)	1 15/32"	1 13/32"	1 5/16"	1 1/4"	1 3/16"	1 1/8"	1 1/8"	1 3/32"	1 1/16"	15/16"