

Rise and Run Conversion Chart to Stair Angle

Always check local building codes for what Rise Height and Run Width combinations meet code at your job

		Run - (Tread width)																																			
		9"	9-1/8"	9-1/4"	9-3/8"	9-1/2"	9-5/8"	9-3/4"	9-7/8"	10"	10-1/8"	10-1/4"	10-3/8"	10-1/2"	10-5/8"	10-3/4"	10-7/8"	11"	11-1/8"	11-1/4"	11-3/8"	11-1/2"	11-5/8"	11-3/4"	11-7/8"	12"	13"	14"	15"	16"	18"	20"	22"	24"	26"	28"	30"
Rise - (Riser Height)	4"	24	24	23	23	23	23	22	22	22	22	21	21	21	21	20	20	20	20	19	19	19	19	19	18	17	16	15	14	13	11	10	9	9	8	8	
	4-1/8"	25	24	24	24	23	23	23	23	22	22	22	22	21	21	21	21	21	20	20	20	20	19	19	19	18	16	15	14	13	12	11	10	9	9	8	8
	4-1/4"	25	25	25	24	24	24	23	23	23	22	22	22	22	21	21	21	21	21	20	20	20	20	20	20	18	17	16	15	13	12	11	10	9	9	8	8
	4-3/8"	26	26	25	25	25	24	24	24	24	23	23	23	22	22	22	22	22	21	21	21	21	21	20	20	19	17	16	15	14	12	11	10	10	9	8	8
	4-1/2"	27	26	26	26	25	25	25	24	24	24	24	23	23	23	22	22	22	22	22	21	21	21	21	21	19	18	17	16	14	13	12	11	10	9	9	9
	4-5/8"	27	27	27	26	26	26	25	25	25	24	24	24	24	23	23	23	23	22	22	22	22	21	21	21	20	18	17	16	14	13	12	11	10	9	9	9
	4-3/4"	28	27	27	27	27	26	26	26	25	25	25	25	24	24	24	24	23	23	23	23	22	22	22	22	20	19	18	17	15	13	12	11	10	10	9	9
	4-7/8"	28	28	28	27	27	27	27	26	26	26	25	25	25	24	24	24	24	23	23	23	23	23	22	22	21	19	18	17	15	14	12	11	11	10	9	9
	5"	29	29	28	28	28	27	27	27	27	26	26	26	25	25	25	25	24	24	24	24	23	23	23	23	21	20	18	17	16	14	13	12	11	10	9	9
	5-1/8"	30	29	29	29	28	28	28	27	27	27	27	26	26	26	25	25	25	25	24	24	24	24	24	23	23	22	20	19	18	16	14	13	12	11	10	10
	5-1/4"	30	30	30	29	29	29	28	28	28	28	27	27	27	26	26	26	26	25	25	25	25	24	24	24	22	21	19	18	16	15	13	12	11	11	10	10
	5-3/8"	31	30	30	30	29	29	29	29	28	28	28	27	27	27	26	26	26	26	25	25	25	25	24	24	22	21	19	18	16	15	14	13	12	11	10	10
	5-1/2"	31	31	31	30	30	30	29	29	29	28	28	28	27	27	27	26	26	26	26	25	25	25	25	23	21	20	19	17	15	14	13	12	11	10	10	
	5-5/8"	32	32	31	31	31	30	30	30	29	29	29	28	28	28	27	27	27	27	26	26	26	26	25	25	23	22	21	19	17	16	14	13	12	11	11	11
	5-3/4"	33	32	32	32	31	31	31	30	30	29	29	29	28	28	28	28	27	27	27	27	26	26	26	26	24	22	21	20	18	16	15	13	12	12	11	11
	5-7/8"	33	33	32	32	32	31	31	31	30	30	30	29	29	29	28	28	28	28	27	27	27	27	26	26	24	23	21	20	18	16	15	14	13	12	11	11
	6"	34	33	33	33	32	32	32	31	31	31	30	30	30	29	29	29	28	28	28	28	27	27	27	25	23	22	21	18	17	15	14	13	12	11	11	
	6-1/8"	34	34	34	33	33	32	32	32	31	31	31	31	30	30	30	29	29	29	28	28	28	28	27	25	24	22	21	19	17	16	14	13	12	12	12	
	6-1/4"	35	34	34	34	33	33	33	32	32	31	31	31	30	30	30	29	29	29	29	29	28	28	28	26	24	23	21	19	17	16	15	14	13	12	12	
	6-3/8"	35	35	35	34	34	34	33	33	33	32	32	32	31	31	31	30	30	30	29	29	29	28	28	26	24	23	22	20	18	16	15	14	13	12	12	
	6-1/2"	36	35	35	35	34	34	34	33	33	33	32	32	32	31	31	31	30	30	30	29	29	29	28	27	25	23	22	20	18	16	15	14	13	12	12	
	6-5/8"	36	36	36	35	35	35	34	34	34	33	33	33	32	32	32	31	31	31	30	30	30	29	29	27	25	24	22	20	18	17	15	14	13	12	12	
	6-3/4"	37	36	36	36	35	35	35	34	34	34	33	33	33	32	32	32	31	31	31	30	30	29	27	26	24	23	21	19	17	16	15	14	13	12	12	
	6-7/8"	37	37	37	36	36	36	35	35	35	34	34	34	33	33	33	32	32	32	31	31	31	30	30	28	26	25	23	21	19	17	16	15	14	13	12	
	7"	38	37	37	37	36	36	36	35	35	35	34	34	34	33	33	33	32	32	32	31	31	31	30	28	27	25	24	21	19	18	16	15	14	13	12	
	7-1/8"	38	38	38	37	37	37	36	36	35	35	34	34	34	34	33	33	33	32	32	32	31	31	31	29	27	25	24	22	20	18	17	15	14	13	12	
	7-1/4"	39	38	38	38	37	37	37	36	36	35	35	35	34	34	34	34	33	33	33	33	32	32	31	29	27	26	24	22	20	18	17	16	15	14	13	
	7-3/8"	39	39	39	38	38	37	37	37	36	36	36	35	35	35	34	34	34	33	33	33	32	32	32	30	28	26	25	22	20	19	17	16	15	14	13	
	7-1/2"	40	39	39	39	38	38	38	37	37	37	36	36	36	35	35	35	34	34	34	33	33	33	32	30	28	27	25	23	21	19	17	16	15	14	13	
	7-5/8"	40	40	39	39	39	38	38	38	37	37	37	36	36	36	35	35	35	34	34	34	33	33	32	30	29	27	25	23	21	19	18	16	15	14	13	
	7-3/4"	40	40	40	39	39	38	38	38	37	37	37	36	36	36	35	35	35	34	34	34	33	33	32	31	29	27	26	23	21	19	18	17	15	14	13	
	7-7/8"	40	40	40	39	39	39	38	38	38	37	37	37	36	36	36	35	35	34	34	34	33	33	32	31	29	28	26	24	21	20	18	17	16	15	14	
	8"	40	40	40	40	39	39	39	38	38	38	37	37	37	36	36	36	35	35	35	34	34	34	32	30	28	27	24	22	20	18	17	16	15	14	13	
	8-1/8"	40	40	40	40	39	39	39	38	38	38	38	37	37	37	36	36	36	35	35	35	34	34	32	30	28	27	24	22	20	19	17	16	15	14	13	
	8-1/4"	40	40	40	40	40	39	39	39	38	38	38	38	37	37	37	36	36	36	35	35	35	34	32	30	28	27	25	22	21	19	18	16	15	14	13	
	8-3/8"	40	40	40	40	40	39	39	39	39	38	38	38	37	37	37	36	36	36	35	35	35	34	32	30	28	27	25	23	21	19	18	17	16	15	14	
	8-1/2"	40	40	40	40	40	39	39	39	39	38	38	38	37	37	37	36	36	36	35	35	35	34	32	30	28	27	25	23	21	20	18	17	16	15	14	
	8-5/8"	40	40	40	40	40	39	39	39	39	38	38	38	37	37	37	36	36	36	35	35	35	34	32	30	28	26	23	21	20	18	17	16	15	14	13	
	8-3/4"	40	40	40	40	40	39	39	39	39	39	38	38	38	37	37	37	36	36	36	34	32	30	29	26	24	22	20	19	17	16	15	14	13	12	11	
	8-7/8"	40	40	40	40	40	40	39	39	39	39	38	38	38	37	37	37	36	36	36	34	32	31	29	26	24	22	20	19	18	16	15	14	13	12	11	
9"	40	40	40	40	40	40	40	39	39	39	39	38	38	38	37	37	37	36	36	36	34	32	29	26	24	22	21	19	18	17	16	15	14	13	12		
9-1/8"	40	40	40	40	40	40	40	39	39	39	39	38	38	38	37	37	37	36	36	36	34	32	29	26	24	22	21	19	18	17	16	15	14	13	12		
9-1/4"	40	40	40	40	40	40	40	40	39	39	39	39	38	38	38	37	37	37	36	36	36	34	32	29	26	24	22	21	20	18	17	16	15	14	13		
9-3/8"	40	40	40	40	40	40	40	40	40	39	39	39	39	38	38	38	37	37	37	36	36	36	34	32	29	26	24	22	21	20	19	17	16	15	14		
9-1/2"	40	40	40	40	40	40	40	40	40	40	39	39	39	39	38	38	38	37</																			