

Rondo Mini Sprinkler

Medium range mini sprinkler

Emitter Type: **Rondo Mini Sprinkler (Black) – 40 lph**

Maximum No. of emitters per Lateral (Part 1)

Emitter Spacing (m)	Slope (%)	Pipe Diameter in (mm – OD/ID)									
		16/13.2		16/13.6		17.8/15.2		20/17		20/17.4	
		7.5%	10%	7.5%	10%	7.5%	10%	7.5%	10%	7.5%	10%
2	-2	18	20	19	21	23	26	27	31	28	32
	-1	19	21	20	22	24	27	29	33	30	34
	0	20	22	21	23	25	28	31	34	32	36
	1	20	22	21	24	26	29	32	36	34	37
	2	21	23	22	24	27	30	34	37	36	39
2.5	-2	16	19	17	19	21	23	25	28	25	29
	-1	17	19	18	20	22	25	26	30	27	31
	0	18	20	19	21	23	26	28	31	30	33
	1	19	21	20	22	24	27	30	33	31	35
	2	19	21	21	23	25	28	32	35	33	36
3	-2	15	17	16	18	19	22	23	26	23	27
	-1	16	18	17	19	20	23	24	28	25	29
	0	17	19	18	20	22	24	26	29	28	31
	1	18	19	19	20	23	25	28	31	30	33
	2	18	20	19	21	24	26	30	33	31	34
3.5	-2	14	16	15	17	18	20	21	24	22	25
	-1	15	17	16	18	19	21	23	26	24	27
	0	16	18	17	19	20	23	25	28	26	29
	1	17	18	18	19	22	24	27	30	28	31
	2	17	19	18	20	23	25	29	31	30	33
4	-2	13	15	14	16	17	19	20	22	20	23
	-1	14	16	15	17	18	20	22	24	22	25
	0	15	17	16	18	19	22	24	26	25	27
	1	16	17	17	19	21	23	26	28	27	30
	2	17	18	18	19	22	24	27	30	29	31
4.5	-2	13	14	13	15	16	18	18	21	19	22
	-1	13	15	14	16	17	19	20	23	21	24
	0	14	16	15	17	19	21	23	25	24	26
	1	15	17	16	18	20	22	25	27	26	28
	2	16	18	17	19	21	23	26	29	28	30

(-) Uphill, (+) Downhill

Rondo mini sprinkler irrigation, design data
<http://www.irrigationglobal.com>

Rondo Mini Sprinkler

Medium range mini sprinkler

Emitter Type: **Rondo Mini Sprinkler (Black) – 40 lph**

Maximum No. of emitters per Lateral (Part 2)

Emitter Spacing (m)	Slope (%)	Pipe Diameter in (mm – OD/ID)									
		16/13.2		16/13.6		17.8/15.2		20/17		20/17.4	
		7.5%	10%	7.5%	10%	7.5%	10%	7.5%	10%	7.5%	10%
5	-2	12	14	13	14	15	17	17	20	18	21
	-1	13	14	13	15	16	18	20	22	20	23
	0	14	15	15	16	18	20	22	24	23	25
	1	15	16	15	17	19	21	24	26	25	27
	2	15	17	16	18	20	22	26	28	27	29
5.5	-2	11	13	12	14	14	16	17	19	17	20
	-1	12	14	13	15	16	18	19	21	19	22
	0	13	15	14	16	17	19	21	23	22	24
	1	14	16	15	17	19	20	23	25	24	27
	2	15	16	16	17	20	22	25	27	26	28
6	-2	11	13	11	13	14	16	16	18	16	19
	-1	12	13	12	14	15	17	18	20	19	21
	0	13	14	14	15	17	18	20	23	21	24
	1	14	15	15	16	18	20	22	25	24	26
	2	15	16	15	17	19	21	24	26	25	28
6.5	-2	11	12	11	13	13	15	15	18	16	18
	-1	11	13	12	14	14	16	17	20	18	20
	0	12	14	13	15	16	18	20	22	21	23
	1	13	15	14	16	18	19	22	24	23	25
	2	14	16	15	16	19	21	24	26	25	27
7	-2	10	12	11	12	13	14	15	17	15	18
	-1	11	13	12	13	14	16	17	19	17	20
	0	12	13	13	14	16	17	19	21	20	22
	1	13	14	14	15	17	19	22	24	23	25
	2	14	15	15	16	19	20	23	25	25	27
7.5	-2	10	11	10	12	12	14	14	16	14	17
	-1	11	12	11	13	14	15	16	18	17	19
	0	12	13	12	14	15	17	19	21	19	22
	1	13	14	14	15	17	19	21	23	22	24
	2	14	15	15	16	18	20	23	25	24	26
8	-2	9	11	10	11	12	14	13	16	14	16
	-1	10	12	11	12	13	15	16	18	16	19
	0	11	13	12	13	15	17	18	20	19	21
	1	12	14	13	15	17	18	21	23	22	24
	2	13	15	14	16	18	19	23	24	24	26

(-) Uphill, (+) Downhill

Rondo Mini Sprinkler

Medium range mini sprinkler

Emitter Type: **Rondo Mini Sprinkler (Blue) – 50 lph**

Maximum No. of emitters per Lateral (Part 1)

Emitter Spacing (m)	Slope (%)	Pipe Diameter in (mm – OD/ID)									
		16/13.2		16/13.6		17.8/15.2		20/17		20/17.4	
		7.5%	10%	7.5%	10%	7.5%	10%	7.5%	10%	7.5%	10%
2	-2	15	17	16	18	19	21	23	25	23	26
	-1	15	17	16	18	20	22	24	27	25	28
	0	16	18	17	19	21	23	25	28	26	29
	1	17	18	17	19	22	24	27	29	28	30
	2	17	19	18	20	22	24	28	30	29	32
2.5	-2	13	15	14	16	17	19	20	23	21	24
	-1	14	16	15	17	18	20	22	24	23	25
	0	15	16	15	17	19	21	23	26	24	27
	1	15	17	16	18	20	22	25	27	26	28
	2	16	17	17	18	21	23	26	28	27	29
3	-2	12	14	13	15	16	18	19	21	19	22
	-1	13	15	14	15	17	19	20	23	21	23
	0	14	15	14	16	18	20	22	24	23	25
	1	14	16	15	17	19	20	23	25	24	26
	2	15	16	16	17	19	21	24	26	25	28
3.5	-2	12	13	12	14	15	17	17	20	18	20
	-1	12	14	13	14	16	17	19	21	20	22
	0	13	14	14	15	17	18	20	23	21	24
	1	13	15	14	16	18	19	22	24	23	25
	2	14	15	15	16	19	20	23	25	24	26
4	-2	11	12	11	13	14	16	16	19	17	19
	-1	12	13	12	14	15	17	18	20	18	21
	0	12	14	13	14	16	18	19	21	20	22
	1	13	14	14	15	17	18	21	23	22	24
	2	13	15	14	16	18	19	22	24	23	25
4.5	-2	10	12	11	12	13	15	15	17	16	18
	-1	11	12	12	13	14	16	17	19	18	20
	0	12	13	12	14	15	17	19	21	19	21
	1	12	14	13	14	16	18	20	22	21	23
	2	13	14	14	15	17	19	21	23	22	24

(-) Uphill, (+) Downhill

Rondo Mini Sprinkler

Medium range mini sprinkler

Emitter Type: **Rondo Mini Sprinkler (Blue) – 50 lph**

Maximum No. of emitters per Lateral (Part 2)

Emitter Spacing (m)	Slope (%)	Pipe Diameter in (mm – OD/ID)									
		16/13.2		16/13.6		17.8/15.2		20/17		20/17.4	
		7.5%	10%	7.5%	10%	7.5%	10%	7.5%	10%	7.5%	10%
5	-2	10	11	10	12	12	14	15	17	15	17
	-1	10	12	11	12	13	15	16	18	17	19
	0	11	12	12	13	14	16	18	20	19	21
	1	12	13	13	14	16	17	19	21	20	22
	2	12	14	13	14	17	18	21	22	22	24
5.5	-2	9	11	10	11	12	13	14	16	14	16
	-1	10	11	11	12	13	14	15	17	16	18
	0	11	12	11	13	14	15	17	19	18	20
	1	11	13	12	13	15	17	19	21	20	21
	2	12	13	13	14	16	17	20	22	21	23
6	-2	9	10	9	11	11	13	13	15	14	16
	-1	10	11	10	11	12	14	15	17	15	17
	0	10	12	11	12	14	15	17	18	17	19
	1	11	12	12	13	15	16	18	20	19	21
	2	12	13	12	14	16	17	20	21	21	22
6.5	-2	9	10	9	10	11	12	13	15	13	15
	-1	9	11	10	11	12	13	14	16	15	17
	0	10	11	11	12	13	15	16	18	17	19
	1	11	12	11	13	14	16	18	19	19	20
	2	11	12	12	13	15	17	19	21	20	22
7	-2	8	10	9	10	10	12	12	14	13	15
	-1	9	10	10	11	12	13	14	16	14	16
	0	10	11	10	11	13	14	16	17	16	18
	1	11	12	11	12	14	15	17	19	18	20
	2	11	12	12	13	15	16	19	20	20	21
7.5	-2	8	9	8	10	10	11	12	14	12	14
	-1	9	10	9	10	11	13	13	15	14	16
	0	9	11	10	11	12	14	15	17	16	18
	1	10	11	11	12	14	15	17	19	18	20
	2	11	12	12	13	15	16	19	20	19	21
8	-2	8	9	8	9	10	11	11	13	12	14
	-1	9	10	9	10	11	12	13	15	13	15
	0	9	10	10	11	12	13	15	16	15	17
	1	10	11	11	12	13	15	17	18	18	19
	2	11	12	11	12	14	16	18	20	19	21

(-) Uphill, (+) Downhill

Rondo Mini Sprinkler

Medium range mini sprinkler

Emitter Type: **Rondo Mini Sprinkler (Green) – 63 lph**

Maximum No. of emitters per Lateral (Part 1)

Emitter Spacing (m)	Slope (%)	Pipe Diameter in (mm – OD/ID)									
		16/13.2		16/13.6		17.8/15.2		20/17		20/17.4	
		7.5%	10%	7.5%	10%	7.5%	10%	7.5%	10%	7.5%	10%
2	-2	12	14	13	15	16	18	19	21	20	22
	-1	13	14	13	15	16	18	20	22	21	23
	0	13	15	14	16	17	19	21	23	22	24
	1	14	15	14	16	18	20	22	24	23	26
	2	14	16	15	17	19	21	23	26	24	26
2.5	-2	11	13	12	13	14	16	17	19	18	20
	-1	12	13	12	14	15	17	18	20	19	21
	0	12	14	13	14	16	18	19	22	20	22
	1	13	14	13	15	16	18	20	23	21	24
	2	13	14	14	15	17	19	21	23	22	25
3	-2	10	12	11	12	13	15	16	18	16	19
	-1	11	12	11	13	14	16	17	19	18	20
	0	11	13	12	13	15	16	18	20	19	21
	1	12	13	12	14	15	17	19	21	20	22
	2	12	14	13	14	16	18	20	22	21	23
3.5	-2	9	10	10	12	12	14	15	17	15	17
	-1	10	11	11	12	13	15	16	18	16	19
	0	11	12	11	13	14	15	17	19	18	20
	1	11	12	12	13	15	16	18	20	19	21
	2	12	13	12	14	15	17	19	21	20	22
4	-2	8	9	9	10	11	13	14	16	14	16
	-1	10	11	10	11	12	14	15	17	15	17
	0	10	11	11	12	13	15	16	18	17	19
	1	11	12	11	12	14	15	17	19	18	20
	2	11	12	12	13	15	16	18	20	19	21
4.5	-2	8	9	8	9	10	11	12	14	12	14
	-1	9	10	10	11	12	13	14	16	15	17
	0	10	11	10	11	13	14	15	17	16	18
	1	10	11	11	12	13	15	17	18	17	19
	2	11	12	11	12	14	15	18	19	18	20

(-) Uphill, (+) Downhill

Rondo Mini Sprinkler

Medium range mini sprinkler

Emitter Type: **Rondo Mini Sprinkler (Green) – 63 lph**

Maximum No. of emitters per Lateral (Part 2)

Emitter Spacing (m)	Slope (%)	Pipe Diameter in (mm – OD/ID)									
		16/13.2		16/13.6		17.8/15.2		20/17		20/17.4	
		7.5%	10%	7.5%	10%	7.5%	10%	7.5%	10%	7.5%	10%
5	-2	7	8	8	9	9	11	11	13	12	14
	-1	9	10	9	10	11	13	14	15	14	16
	0	9	10	10	11	12	13	15	17	15	17
	1	10	11	10	11	13	14	16	18	17	19
	2	10	11	11	12	14	15	17	19	18	20
5.5	-2	7	8	7	9	9	10	11	13	11	13
	-1	7	8	8	9	11	12	13	15	14	15
	0	9	10	9	10	12	13	14	16	15	17
	1	9	10	10	11	12	14	16	17	16	18
	2	10	11	11	12	13	14	17	18	17	19
6	-2	7	8	7	8	9	10	10	12	11	12
	-1	7	8	7	9	10	12	12	14	13	15
	0	9	10	9	10	11	12	14	15	14	16
	1	9	10	10	11	12	13	15	17	16	18
	2	10	11	10	11	13	14	16	18	17	18
6.5	-2	6	7	7	8	8	10	10	11	10	12
	-1	7	8	7	8	10	11	12	14	13	14
	0	8	9	9	10	11	12	13	15	14	16
	1	9	10	9	10	12	13	15	16	15	17
	2	10	10	10	11	12	14	16	17	16	18
7	-2	6	7	6	8	8	9	9	11	10	11
	-1	7	8	7	8	9	10	12	13	12	14
	0	8	9	8	10	10	12	13	14	14	15
	1	9	10	9	10	11	13	14	16	15	17
	2	9	10	10	11	12	13	15	17	16	18
7.5	-2	6	7	6	7	8	9	9	11	9	11
	-1	6	7	7	8	8	10	11	13	12	13
	0	8	9	8	9	10	11	13	14	13	15
	1	8	9	9	10	11	12	14	16	15	16
	2	9	10	9	10	12	13	15	16	16	17
8	-2	6	7	6	7	7	9	9	10	9	11
	-1	6	7	6	7	8	9	10	11	10	12
	0	8	9	8	9	10	11	12	14	13	14
	1	8	9	9	10	11	12	14	15	14	16
	2	9	10	9	10	12	13	15	16	15	17

(-) Uphill, (+) Downhill

Rondo Mini Sprinkler

Medium range mini sprinkler

Emitter Type: **Rondo Mini Sprinkler (Green) – 75 lph**

Maximum No. of emitters per Lateral (Part 1)

Emitter Spacing (m)	Slope (%)	Pipe Diameter in (mm – OD/ID)									
		16/13.2		16/13.6		17.8/15.2		20/17		20/17.4	
		7.5%	10%	7.5%	10%	7.5%	10%	7.5%	10%	7.5%	10%
2	-2	11	12	12	13	14	16	17	19	17	20
	-1	11	13	12	13	15	16	18	20	18	21
	0	12	13	12	14	15	17	19	21	19	22
	1	12	13	13	14	16	17	19	21	20	22
	2	12	14	13	14	16	18	20	22	21	23
2.5	-2	10	11	10	12	13	14	15	17	16	18
	-1	10	12	11	12	13	15	16	18	17	19
	0	11	12	11	13	14	15	17	19	18	20
	1	11	12	12	13	14	16	18	20	19	21
	2	11	13	12	13	15	17	19	21	20	21
3	-2	9	10	10	11	12	13	14	16	15	17
	-1	10	11	10	11	12	14	15	17	16	17
	0	10	11	10	12	13	14	16	18	17	18
	1	10	11	11	12	14	15	17	19	18	19
	2	11	12	11	13	14	16	18	19	18	20
3.5	-2	9	10	9	10	11	12	13	15	14	15
	-1	9	10	9	11	12	13	14	16	15	16
	0	9	10	10	11	12	14	15	17	16	17
	1	10	11	10	11	13	14	16	18	17	18
	2	10	11	11	12	13	15	17	18	18	19
4	-2	8	9	8	10	10	12	12	14	13	15
	-1	8	10	9	10	11	12	13	15	14	15
	0	9	10	9	10	12	13	14	16	15	17
	1	9	10	10	11	12	14	15	17	16	18
	2	10	11	10	11	13	14	16	18	17	18
4.5	-2	8	9	8	9	10	11	12	13	12	14
	-1	8	9	8	10	10	12	13	14	13	15
	0	8	9	9	10	11	12	14	15	14	16
	1	9	10	9	10	12	13	15	16	15	17
	2	9	10	10	11	12	14	15	17	16	18

(-) Uphill, (+) Downhill

Rondo Mini Sprinkler

Medium range mini sprinkler

Emitter Type: **Rondo Mini Sprinkler (Green) – 75 lph**

Maximum No. of emitters per Lateral (Part 2)

Emitter Spacing (m)	Slope (%)	Pipe Diameter in (mm – OD/ID)									
		16/13.2		16/13.6		17.8/15.2		20/17		20/17.4	
		7.5%	10%	7.5%	10%	7.5%	10%	7.5%	10%	7.5%	10%
5	-2	7	8	8	9	9	11	11	13	11	13
	-1	8	9	8	9	10	11	12	14	12	14
	0	8	9	9	10	11	12	13	15	14	15
	1	9	9	9	10	11	12	14	16	15	16
	2	9	10	9	10	12	13	15	16	16	17
5.5	-2	7	8	7	8	9	10	10	12	11	12
	-1	7	8	8	9	9	11	11	13	12	14
	0	8	9	8	9	10	11	13	14	13	15
	1	8	9	9	10	11	12	14	15	14	16
	2	9	10	9	10	12	13	15	16	15	17
6	-2	7	8	7	8	8	10	10	12	10	12
	-1	7	8	7	8	9	10	11	12	11	13
	0	8	8	8	9	10	11	12	14	13	14
	1	8	9	8	9	11	12	13	15	14	15
	2	8	9	9	10	11	12	14	15	15	16
6.5	-2	6	7	7	8	8	9	10	11	10	11
	-1	7	8	7	8	9	10	11	12	11	13
	0	7	8	8	9	10	11	12	13	12	14
	1	8	9	8	9	10	11	13	14	13	15
	2	8	9	9	10	11	12	14	15	14	16
7	-2	4	6	4	7	5	8	6	9	7	10
	-1	4	7	4	7	5	8	7	10	7	11
	0	4	7	4	7	6	9	7	11	7	12
	1	4	7	5	8	6	10	7	13	8	13
	2	4	8	5	9	6	11	8	14	8	14
7.5	-2	4	6	4	6	5	8	6	9	6	9
	-1	4	6	4	7	5	8	6	10	7	10
	0	4	7	4	7	5	9	7	11	7	12
	1	4	7	4	8	6	10	7	12	8	13
	2	4	8	5	8	6	11	8	13	8	14
8	-2	4	6	4	6	5	7	6	9	6	9
	-1	4	6	4	7	5	8	6	10	7	10
	0	4	7	4	7	5	9	7	11	7	11
	1	4	7	4	8	6	10	7	12	7	13
	2	4	8	5	8	6	10	7	13	8	14

(-) Uphill, (+) Downhill

Rondo Mini Sprinkler

Medium range mini sprinkler

Emitter Type: **Rondo Mini Sprinkler (Red) – 100 lph**

Maximum No. of emitters per Lateral (Part 1)

Emitter Spacing (m)	Slope (%)	Pipe Diameter in (mm – OD/ID)									
		16/13.2		16/13.6		17.8/15.2		20/17		20/17.4	
		7.5%	10%	7.5%	10%	7.5%	10%	7.5%	10%	7.5%	10%
2	-2	9	10	10	11	12	13	14	16	15	17
	-1	9	10	10	11	12	13	15	16	15	17
	0	10	11	10	11	12	14	15	17	16	18
	1	10	11	10	11	13	14	16	17	17	18
	2	10	11	11	12	13	14	16	18	17	19
2.5	-2	8	9	9	10	11	12	13	14	13	15
	-1	9	9	9	10	11	12	13	15	14	16
	0	9	10	9	10	11	13	14	16	15	16
	1	9	10	9	10	12	13	15	16	15	17
	2	9	10	10	11	12	13	15	17	16	17
3	-2	8	9	8	9	10	11	12	13	12	14
	-1	8	9	8	9	10	11	12	14	13	14
	0	8	9	9	10	11	12	13	14	14	15
	1	8	9	9	10	11	12	14	15	14	16
	2	9	9	9	10	11	12	14	16	15	16
3.5	-2	7	8	8	8	9	10	11	12	12	13
	-1	7	8	8	9	10	11	12	13	12	14
	0	8	8	8	9	10	11	12	14	13	14
	1	8	9	8	9	10	11	13	14	14	15
	2	8	9	9	9	11	12	13	15	14	15
4	-2	7	8	7	8	9	10	10	12	11	12
	-1	7	8	7	8	9	10	11	12	12	13
	0	7	8	8	8	9	10	12	13	12	13
	1	7	8	8	9	10	11	12	14	13	14
	2	8	8	8	9	10	11	13	14	13	15
4.5	-2	6	7	7	8	8	9	10	11	10	12
	-1	7	7	7	8	9	10	10	12	11	12
	0	7	8	7	8	9	10	11	12	12	13
	1	7	8	8	8	9	10	12	13	12	14
	2	7	8	8	9	10	11	12	13	13	14

(-) Uphill, (+) Downhill

Rondo Mini Sprinkler

Medium range mini sprinkler

Emitter Type: **Rondo Mini Sprinkler (Red) – 100 lph**

Maximum No. of emitters per Lateral (Part 2)

Emitter Spacing (m)	Slope (%)	Pipe Diameter in (mm – OD/ID)									
		16/13.2		16/13.6		17.8/15.2		20/17		20/17.4	
		7.5%	10%	7.5%	10%	7.5%	10%	7.5%	10%	7.5%	10%
5	-2	6	7	6	7	8	9	9	11	10	11
	-1	6	7	7	7	8	9	10	11	10	12
	0	7	7	7	8	9	10	11	12	11	12
	1	7	8	7	8	9	10	11	12	12	13
	2	7	8	8	8	10	10	12	13	13	14
5.5	-2	6	7	6	7	7	8	9	10	9	11
	-1	6	7	6	7	8	9	10	11	10	11
	0	6	7	7	7	8	9	10	11	11	12
	1	7	7	7	8	9	10	11	12	11	13
	2	7	8	7	8	9	10	12	13	12	13
6	-2	6	6	6	7	7	8	9	10	9	10
	-1	6	7	6	7	8	8	9	10	10	11
	0	6	7	6	7	8	9	10	11	10	12
	1	6	7	7	7	8	9	11	12	11	12
	2	7	7	7	8	9	10	11	12	12	13
6.5	-2	5	6	6	6	7	8	8	9	9	10
	-1	6	6	6	7	7	8	9	10	9	10
	0	6	7	6	7	8	9	10	11	10	11
	1	6	7	7	7	8	9	10	11	11	12
	2	6	7	7	8	9	9	11	12	11	13
7	-2	6	9	6	10	8	12	9	15	9	15
	-1	6	10	6	10	8	13	10	15	10	16
	0	6	10	7	10	8	13	10	16	11	17
	1	7	10	7	11	9	13	11	16	12	17
	2	7	10	7	11	9	14	12	17	12	18
7.5	-2	6	9	6	10	7	12	9	14	9	15
	-1	6	9	6	10	8	12	9	15	10	15
	0	6	10	7	10	8	13	10	15	11	16
	1	6	10	7	10	9	13	11	16	11	17
	2	7	10	7	11	9	13	11	17	12	17
8	-2	6	9	6	9	7	11	9	14	9	15
	-1	6	9	6	10	7	12	9	14	10	15
	0	6	9	6	10	8	12	10	15	10	16
	1	6	10	7	10	8	13	11	16	11	16
	2	7	10	7	10	9	13	11	16	12	17

(-) Uphill, (+) Downhill

Rondo Mini Sprinkler

Medium range mini sprinkler

Emitter Type: **Rondo Mini Sprinkler (White) – 135 lph**

Maximum No. of emitters per Lateral (Part 1)

Emitter Spacing (m)	Slope (%)	Pipe Diameter in (mm – OD/ID)									
		16/13.2		16/13.6		17.8/15.2		20/17		20/17.4	
		7.5%	10%	7.5%	10%	7.5%	10%	7.5%	10%	7.5%	10%
2	-2	8	8	8	9	10	11	12	13	12	14
	-1	8	9	8	9	10	11	12	14	13	14
	0	8	9	8	9	10	11	13	14	13	15
	1	8	9	9	9	11	12	13	14	14	15
	2	8	9	9	10	11	12	13	15	14	15
2.5	-2	7	8	7	8	9	10	11	12	11	13
	-1	7	8	7	8	9	10	11	13	12	13
	0	7	8	8	8	9	10	12	13	12	13
	1	7	8	8	9	10	11	12	13	13	14
	2	8	8	8	9	10	11	12	14	13	14
3	-2	6	7	7	8	8	9	10	11	10	12
	-1	7	7	7	8	8	9	10	12	11	12
	0	7	7	7	8	9	10	11	12	11	13
	1	7	8	7	8	9	10	11	12	12	13
	2	7	8	7	8	9	10	12	13	12	13
3.5	-2	6	7	6	7	8	9	9	11	10	11
	-1	6	7	6	7	8	9	10	11	10	11
	0	6	7	7	7	8	9	10	11	11	12
	1	6	7	7	8	9	9	11	12	11	12
	2	7	7	7	8	9	10	11	12	12	13
4	-2	6	6	6	7	7	8	9	10	9	10
	-1	6	6	6	7	8	8	9	10	10	11
	0	6	7	6	7	8	9	10	11	10	11
	1	6	7	6	7	8	9	10	11	11	12
	2	6	7	7	7	8	9	11	12	11	12
4.5	-2	5	6	6	6	7	8	8	9	9	10
	-1	5	6	6	6	7	8	9	10	9	10
	0	6	6	6	7	7	8	9	10	10	11
	1	6	6	6	7	8	9	10	11	10	11
	2	6	7	6	7	8	9	10	11	11	12

(-) Uphill, (+) Downhill

Rondo Mini Sprinkler

Medium range mini sprinkler

Emitter Type: **Rondo Mini Sprinkler (White) – 135 lph**

Maximum No. of emitters per Lateral (Part 2)

Emitter Spacing (m)	Slope (%)	Pipe Diameter in (mm – OD/ID)									
		16/13.2		16/13.6		17.8/15.2		20/17		20/17.4	
		7.5%	10%	7.5%	10%	7.5%	10%	7.5%	10%	7.5%	10%
5	-2	5	6	5	6	7	7	8	9	8	9
	-1	5	6	6	6	7	8	8	9	9	10
	0	5	6	6	6	7	8	9	10	9	10
	1	6	6	6	7	7	8	9	10	10	11
	2	6	6	6	7	8	9	10	11	10	11
5.5	-2	5	5	5	6	6	7	8	9	8	9
	-1	5	6	5	6	7	7	8	9	8	9
	0	5	6	5	6	7	8	9	9	9	10
	1	5	6	6	6	7	8	9	10	9	10
	2	6	6	6	7	7	8	9	10	10	11
6	-2	5	5	5	6	6	7	7	8	8	9
	-1	5	5	5	6	6	7	8	9	8	9
	0	5	6	5	6	7	7	8	9	9	10
	1	5	6	6	6	7	8	9	10	9	10
	2	5	6	6	6	7	8	9	10	10	11
6.5	-2	4	5	5	5	6	7	7	8	7	8
	-1	5	5	5	6	6	7	7	8	8	9
	0	5	5	5	6	6	7	8	9	8	9
	1	5	6	5	6	7	7	8	9	9	10
	2	5	6	6	6	7	8	9	10	9	10
7	-2	4	5	5	5	6	6	7	8	7	8
	-1	4	5	5	5	6	7	7	8	8	8
	0	5	5	5	6	6	7	8	9	8	9
	1	5	5	5	6	7	7	8	9	9	10
	2	5	6	5	6	7	8	9	10	7	10
7.5	-2	4	5	4	5	5	6	7	7	7	8
	-1	4	5	5	5	6	6	7	8	7	8
	0	5	5	5	5	6	7	7	8	8	9
	1	5	5	5	6	6	7	8	9	8	9
	2	5	5	5	6	7	7	9	9	9	10
8	-2	4	5	4	5	5	6	6	7	7	7
	-1	4	5	4	5	6	6	7	8	7	8
	0	4	5	5	5	6	7	7	8	8	9
	1	5	5	5	5	6	7	8	9	8	9
	2	5	5	5	6	7	7	8	9	9	10

(-) Uphill, (+) Downhill

Rondo Mini Sprinkler

Medium range mini sprinkler

Emitter Type: **Rondo Mini Sprinkler (Violet) – 175 lph**

Maximum No. of emitters per Lateral (Part 1)

Emitter Spacing (m)	Slope (%)	Pipe Diameter in (mm – OD/ID)									
		16/13.2		16/13.6		17.8/15.2		20/17		20/17.4	
		7.5%	10%	7.5%	10%	7.5%	10%	7.5%	10%	7.5%	10%
2	-2	6	7	7	7	8	9	10	11	10	12
	-1	6	7	7	7	8	9	10	11	11	12
	0	6	7	7	8	8	9	10	12	11	12
	1	6	7	7	8	9	10	11	12	11	12
	2	7	7	7	8	9	10	11	12	11	13
2.5	-2	6	6	6	7	7	8	9	10	9	10
	-1	6	6	6	7	7	8	9	10	10	11
	0	6	7	6	7	8	9	9	11	10	11
	1	6	7	6	7	8	9	10	11	10	11
	2	6	7	6	7	8	9	10	11	11	12
3	-2	5	6	5	6	7	8	8	9	9	10
	-1	5	6	6	6	7	8	9	10	9	10
	0	5	6	6	6	7	8	9	10	9	10
	1	5	6	6	7	7	8	9	10	10	11
	2	6	6	6	7	8	8	9	10	10	11
3.5	-2	5	5	5	6	6	7	8	9	8	9
	-1	5	6	5	6	6	7	8	9	8	9
	0	5	6	5	6	7	7	8	9	9	10
	1	5	6	5	6	7	8	9	10	9	10
	2	5	6	6	6	7	8	9	10	9	10
4	-2	5	5	5	5	6	7	7	8	8	9
	-1	5	5	5	6	6	7	8	8	8	9
	0	5	5	5	6	6	7	8	9	8	9
	1	5	5	5	6	7	7	8	9	9	10
	2	5	6	5	6	7	7	9	9	9	10
4.5	-2	4	5	5	5	6	6	7	8	7	8
	-1	4	5	5	5	6	7	7	8	7	8
	0	5	5	5	5	6	7	7	8	8	9
	1	5	5	5	6	6	7	8	9	8	9
	2	5	5	5	6	6	7	8	9	9	9

(-) Uphill, (+) Downhill

Rondo Mini Sprinkler

Medium range mini sprinkler

Emitter Type: **Rondo Mini Sprinkler (Violet) – 175 lph**

Maximum No. of emitters per Lateral (Part 2)

Emitter Spacing (m)	Slope (%)	Pipe Diameter in (mm – OD/ID)									
		16/13.2		16/13.6		17.8/15.2		20/17		20/17.4	
		7.5%	10%	7.5%	10%	7.5%	10%	7.5%	10%	7.5%	10%
5	-2	4	5	4	5	5	6	7	7	7	8
	-1	4	5	4	5	6	6	7	8	7	8
	0	4	5	5	5	6	6	7	8	7	8
	1	4	5	5	5	6	7	8	8	8	9
	2	5	5	5	5	6	7	8	9	8	9
5.5	-2	4	4	4	5	5	6	6	7	6	7
	-1	4	5	4	5	5	6	7	7	7	8
	0	4	5	4	5	6	6	7	8	7	8
	1	4	5	5	5	6	6	7	8	8	8
	2	4	5	5	5	6	7	8	8	8	9
6	-2	4	4	4	5	5	6	6	7	6	7
	-1	4	4	4	5	5	6	6	7	7	7
	0	4	5	4	5	5	6	7	7	7	8
	1	4	5	4	5	6	6	7	8	7	8
	2	4	5	5	5	6	6	7	8	8	9
6.5	-2	4	4	4	4	5	5	6	7	6	7
	-1	4	4	4	5	5	6	6	7	6	7
	0	4	4	4	5	5	6	6	7	7	8
	1	4	4	4	5	5	6	7	8	7	8
	2	4	5	4	5	6	6	7	8	7	8
7	-2	3	4	4	4	5	5	6	6	6	7
	-1	4	4	4	4	5	5	6	7	6	7
	0	4	4	4	4	5	6	6	7	7	7
	1	4	4	4	5	5	6	7	7	7	8
	2	4	4	4	5	5	6	7	8	7	8
7.5	-2	3	4	4	4	4	5	5	6	6	6
	-1	4	4	4	4	5	5	6	6	6	7
	0	4	4	4	4	5	5	6	7	6	7
	1	4	4	4	4	5	6	6	7	7	8
	2	4	4	4	5	5	6	7	8	7	8
8	-2	3	4	3	4	4	5	5	6	5	6
	-1	3	4	4	4	4	5	6	6	6	7
	0	4	4	4	4	5	5	6	7	6	7
	1	4	4	4	4	5	6	6	7	7	7
	2	4	4	4	5	5	6	7	7	7	8

(-) Uphill, (+) Downhill

Rondo Mini Sprinkler

Medium range mini sprinkler

Emitter Type: Rondo Mini Sprinkler (Yellow) – 215 lph

Maximum No. of emitters per Lateral (Part 1)

Emitter Spacing (m)	Slope (%)	Pipe Diameter in (mm – OD/ID)									
		16/13.2		16/13.6		17.8/15.2		20/17		20/17.4	
		7.5%	10%	7.5%	10%	7.5%	10%	7.5%	10%	7.5%	10%
2	-2	6	6	6	7	7	8	9	10	9	10
	-1	6	6	6	7	7	8	9	10	10	11
	0	6	6	6	7	8	8	9	10	10	11
	1	6	6	6	7	8	8	10	11	10	11
	2	6	6	6	7	8	9	10	11	10	11
2.5	-2	5	6	5	6	7	7	8	9	8	9
	-1	5	6	5	6	7	7	8	9	9	10
	0	5	6	6	6	7	8	9	9	9	10
	1	5	6	6	6	7	8	9	10	9	10
	2	5	6	6	6	7	8	9	10	9	10
3	-2	5	5	5	6	6	7	7	8	8	9
	-1	5	5	5	6	6	7	8	9	8	9
	0	5	5	5	6	6	7	8	9	8	9
	1	5	5	5	6	6	7	8	9	9	9
	2	5	6	5	6	7	7	8	9	9	10
3.5	-2	4	5	5	5	6	6	7	8	7	8
	-1	4	5	5	5	6	6	7	8	8	8
	0	4	5	5	5	6	7	7	8	8	9
	1	5	5	5	5	6	7	8	8	8	9
	2	5	5	5	6	6	7	8	9	8	9
4	-2	4	5	4	5	5	6	7	7	7	8
	-1	4	5	4	5	5	6	7	8	7	8
	0	4	5	5	5	6	6	7	8	7	8
	1	4	5	5	5	6	6	7	8	8	8
	2	4	5	5	5	6	7	8	8	8	9
4.5	-2	4	4	4	5	5	6	6	7	7	7
	-1	4	4	4	5	5	6	6	7	7	8
	0	4	5	4	5	5	6	7	7	7	8
	1	4	5	4	5	6	6	7	8	7	8
	2	4	5	4	5	6	6	7	8	8	8

(-) Uphill, (+) Downhill

Rondo Mini Sprinkler

Medium range mini sprinkler

Emitter Type: Rondo Mini Sprinkler (Yellow) – 215 lph

Maximum No. of emitters per Lateral (Part 2)

Emitter Spacing (m)	Slope (%)	Pipe Diameter in (mm – OD/ID)									
		16/13.2		16/13.6		17.8/15.2		20/17		20/17.4	
		7.5%	10%	7.5%	10%	7.5%	10%	7.5%	10%	7.5%	10%
5	-2	4	4	4	4	5	5	6	7	6	7
	-1	4	4	4	4	5	6	6	7	6	7
	0	4	4	4	5	5	6	6	7	7	7
	1	4	4	4	5	5	6	7	7	7	8
	2	4	4	4	5	5	6	7	8	7	8
5.5	-2	4	4	4	4	5	5	6	6	6	7
	-1	4	4	4	4	5	5	6	7	6	7
	0	4	4	4	4	5	5	6	7	6	7
	1	4	4	4	4	5	6	6	7	7	7
	2	4	4	4	5	5	6	7	7	7	8
6	-2	3	4	4	4	4	5	5	6	6	6
	-1	3	4	4	4	5	5	6	6	6	7
	0	4	4	4	4	5	5	6	7	6	7
	1	4	4	4	4	5	5	6	7	6	7
	2	4	4	4	4	5	6	6	7	7	7
6.5	-2	3	4	3	4	4	5	5	6	5	6
	-1	3	4	4	4	4	5	5	6	6	6
	0	3	4	4	4	5	5	6	6	6	7
	1	4	4	4	4	5	5	6	7	6	7
	2	4	4	4	4	5	5	6	7	7	7
7	-2	3	4	3	4	4	5	5	6	5	6
	-1	3	4	3	4	4	5	5	6	6	6
	0	3	4	4	4	4	5	6	6	6	6
	1	3	4	4	4	5	5	6	6	6	7
	2	3	4	4	4	5	5	6	7	6	7
7.5	-2	3	3	3	4	4	5	5	6	5	6
	-1	3	4	3	4	4	5	5	6	5	6
	0	3	4	3	4	4	5	5	6	6	6
	1	3	4	4	4	4	5	6	6	6	7
	2	3	4	4	4	5	5	6	7	6	7
8	-2	3	3	3	4	4	4	5	5	5	6
	-1	3	3	3	4	4	5	5	6	5	6
	0	3	4	3	4	4	5	5	6	6	6
	1	3	4	3	4	4	5	6	6	6	6
	2	3	4	4	4	5	5	6	6	6	7

(-) Uphill, (+) Downhill

Rondo Mini Sprinkler

Medium range mini sprinkler

Emitter Type: **Rondo Mini Sprinkler (Brown) – 260 lph**

Maximum No. of emitters per Lateral (Part 1)

Emitter Spacing (m)	Slope (%)	Pipe Diameter in (mm – OD/ID)									
		16/13.2		16/13.6		17.8/15.2		20/17		20/17.4	
		7.5%	10%	7.5%	10%	7.5%	10%	7.5%	10%	7.5%	10%
2	-2	5	5	5	6	6	7	8	9	8	9
	-1	5	5	5	6	6	7	8	9	8	9
	0	5	5	5	6	6	7	8	9	8	9
	1	5	5	5	6	7	7	8	9	9	9
	2	5	6	5	6	7	7	8	9	9	10
2.5	-2	4	5	5	5	6	6	7	8	7	8
	-1	4	5	5	5	6	6	7	8	7	8
	0	4	5	5	5	6	7	7	8	8	9
	1	4	5	5	5	6	7	7	8	8	9
	2	5	5	5	5	6	7	8	8	8	9
3	-2	4	4	4	5	5	6	6	7	7	8
	-1	4	5	4	5	5	6	7	7	7	8
	0	4	5	4	5	5	6	7	8	7	8
	1	4	5	4	5	6	6	7	8	7	8
	2	4	5	4	5	6	6	7	8	7	8
3.5	-2	4	4	4	4	5	5	6	7	6	7
	-1	4	4	4	4	5	6	6	7	6	7
	0	4	4	4	5	5	6	6	7	7	7
	1	4	4	4	5	5	6	7	7	7	8
	2	4	4	4	5	5	6	7	7	7	8
4	-2	3	4	4	4	5	5	6	6	6	7
	-1	4	4	4	4	5	5	6	7	6	7
	0	4	4	4	4	5	5	6	7	6	7
	1	4	4	4	4	5	5	6	7	6	7
	2	4	4	4	4	5	6	6	7	7	7
4.5	-2	3	4	3	4	4	5	5	6	6	6
	-1	3	4	4	4	4	5	6	6	6	7
	0	3	4	4	4	5	5	6	6	6	7
	1	3	4	4	4	5	5	6	7	6	7
	2	4	4	4	4	5	5	6	7	6	7

(-) Uphill, (+) Downhill

Rondo Mini Sprinkler

Medium range mini sprinkler

Emitter Type: Rondo Mini Sprinkler (Brown) – 260 lph

Maximum No. of emitters per Lateral (Part 2)

Emitter Spacing (m)	Slope (%)	Pipe Diameter in (mm – OD/ID)									
		16/13.2		16/13.6		17.8/15.2		20/17		20/17.4	
		7.5%	10%	7.5%	10%	7.5%	10%	7.5%	10%	7.5%	10%
5	-2	3	4	3	4	4	5	5	6	5	6
	-1	3	4	3	4	4	5	5	6	6	6
	0	3	4	3	4	4	5	5	6	6	6
	1	3	4	4	4	4	5	6	6	6	7
	2	3	4	4	4	5	5	6	6	6	7
5.5	-2	3	3	3	4	4	4	5	6	5	6
	-1	3	3	3	4	4	5	5	6	5	6
	0	3	4	3	4	4	5	5	6	6	6
	1	3	4	3	4	4	5	5	6	6	6
	2	3	4	3	4	4	5	6	6	6	7
6	-2	3	3	3	3	4	4	5	5	5	6
	-1	3	3	3	4	4	4	5	5	5	6
	0	3	3	3	4	4	5	5	6	5	6
	1	3	3	3	4	4	5	5	6	6	6
	2	3	4	3	4	4	5	5	6	6	6
6.5	-2	3	3	3	3	4	4	5	5	5	5
	-1	3	3	3	3	4	4	5	5	5	6
	0	3	3	3	3	4	4	5	5	5	6
	1	3	3	3	4	4	4	5	6	5	6
	2	3	3	3	4	4	5	5	6	6	6
7	-2	3	3	3	3	4	4	4	5	5	5
	-1	3	3	3	3	4	4	5	5	5	5
	0	3	3	3	3	4	4	5	5	5	6
	1	3	3	3	3	4	4	5	6	5	6
	2	3	3	3	4	4	4	5	6	5	6
7.5	-2	3	3	3	3	4	4	4	5	4	5
	-1	3	3	3	3	4	4	4	5	5	5
	0	3	3	3	3	4	4	5	5	5	5
	1	3	3	3	3	4	4	5	5	5	6
	2	3	3	3	3	4	4	5	6	5	6
8	-2	3	3	3	3	4	4	4	5	4	5
	-1	3	3	3	3	4	4	4	5	4	5
	0	3	3	3	3	4	4	4	5	5	5
	1	3	3	3	3	4	4	5	5	5	5
	2	3	3	3	3	4	4	5	5	5	6

(-) Uphill, (+) Downhill

Rondo Mini Sprinkler

Medium range mini sprinkler

Emitter Type: **Rondo Mini Sprinkler (Orange) – 300 lph**

Maximum No. of emitters per Lateral (Part 1)

Emitter Spacing (m)	Slope (%)	Pipe Diameter in (mm – OD/ID)									
		16/13.2		16/13.6		17.8/15.2		20/17		20/17.4	
		7.5%	10%	7.5%	10%	7.5%	10%	7.5%	10%	7.5%	10%
2	-2	4	5	4	5	5	6	7	7	7	8
	-1	4	5	4	5	5	6	7	8	7	8
	0	4	5	4	5	5	6	7	8	7	8
	1	4	5	4	5	6	6	7	8	7	8
	2	4	5	4	5	6	6	7	8	7	8
2.5	-2	4	4	4	4	5	5	6	7	6	7
	-1	4	4	4	4	5	6	6	7	6	7
	0	4	4	4	5	5	6	6	7	6	7
	1	4	4	4	5	5	6	6	7	7	7
	2	4	4	4	5	5	6	6	7	7	8
3	-2	3	4	4	4	4	5	5	6	6	7
	-1	3	4	4	4	5	5	6	6	6	7
	0	3	4	4	4	5	5	6	7	6	7
	1	3	4	4	4	5	5	6	7	6	7
	2	4	4	4	4	5	5	6	7	6	7
3.5	-2	3	4	3	4	4	5	5	6	5	6
	-1	3	4	3	4	4	5	5	6	5	6
	0	3	4	3	4	4	5	5	6	6	6
	1	3	4	3	4	4	5	6	6	6	7
	2	3	4	4	4	4	5	6	6	6	7
4	-2	3	3	3	4	4	4	5	6	5	6
	-1	3	3	3	4	4	5	5	6	5	6
	0	3	3	3	4	4	5	5	6	5	6
	1	3	3	3	4	4	5	5	6	5	6
	2	3	4	3	4	4	5	5	6	6	6
4.5	-2	3	3	3	3	4	4	5	5	5	5
	-1	3	3	3	3	4	4	5	5	5	6
	0	3	3	3	3	4	4	5	6	5	6
	1	3	3	3	4	4	4	5	6	5	6
	2	3	3	3	4	4	5	5	6	5	6

(-) Uphill, (+) Downhill

Rondo Mini Sprinkler

Medium range mini sprinkler

Emitter Type: **Rondo Mini Sprinkler (Orange) – 300 lph**

Maximum No. of emitters per Lateral (Part 2)

Emitter Spacing (m)	Slope (%)	Pipe Diameter in (mm – OD/ID)									
		16/13.2		16/13.6		17.8/15.2		20/17		20/17.4	
		7.5%	10%	7.5%	10%	7.5%	10%	7.5%	10%	7.5%	10%
5	-2	3	3	3	3	3	4	4	5	5	5
	-1	3	3	3	3	4	4	4	5	5	5
	0	3	3	3	3	4	4	5	5	5	6
	1	3	3	3	3	4	4	5	5	5	6
	2	3	3	3	3	4	4	5	6	5	6
5.5	-2	3	3	3	3	3	4	4	5	4	5
	-1	3	3	3	3	3	4	4	5	5	5
	0	3	3	3	3	4	4	4	5	5	5
	1	3	3	3	3	4	4	5	5	5	5
	2	3	3	3	3	4	4	5	5	5	6
6	-2	2	3	3	3	3	4	4	5	4	5
	-1	2	3	3	3	3	4	4	5	4	5
	0	3	3	3	3	3	4	4	5	4	5
	1	3	3	3	3	3	4	4	5	5	5
	2	3	3	3	3	4	4	5	5	5	5
6.5	-2	2	3	2	3	3	4	4	4	4	5
	-1	2	3	3	3	3	4	4	5	4	5
	0	2	3	3	3	3	4	4	5	4	5
	1	2	3	3	3	3	4	4	5	5	5
	2	3	3	3	3	3	4	4	5	5	5
7	-2	2	3	2	3	3	4	4	4	4	5
	-1	2	3	3	3	3	4	4	5	4	5
	0	2	3	3	3	3	4	4	5	4	5
	1	2	3	3	3	3	4	4	5	5	5
	2	3	3	3	3	3	4	4	5	5	5
7.5	-2	2	3	2	3	3	3	4	4	4	4
	-1	2	3	2	3	3	3	4	4	4	5
	0	2	3	2	3	3	4	4	5	4	5
	1	2	3	3	3	3	4	4	5	4	5
	2	2	3	3	3	3	4	4	5	5	5
8	-2	2	3	2	3	3	3	4	4	4	4
	-1	2	3	2	3	3	3	4	4	4	4
	0	2	3	2	3	3	3	4	4	4	5
	1	2	3	2	3	3	4	4	5	4	5
	2	2	3	3	3	3	4	4	5	4	5

(-) Uphill, (+) Downhill

Rondo mini sprinkler irrigation, design data
<http://www.irrigationglobal.com>