

Rondo

Medium-Range Mini-Sprinkler



RONDO provides flexible installation options and numerous additional features.

Main Features:

- Low to moderate irrigation application rate with gentle droplets - prevents run-off on non-penetrable soils
- Moderate to wide wetting range, for spacings of up to 7.5 x 7.5 m
- Uniform water distribution pattern
- Simple take-apart design for easy field maintenance and individual parts replacement
- Choice of 4 exclusive spinners for different applications

- Adjustable static deflectors for wetting patterns of 90°, 180°, 2 x 30° and a range limiter of 360°
- Available with Anti-Insect device - prevents clogging caused by insects
- Manufactured from superior durable plastics for long life
- Protected against UV degradation
- Resistant to chemicals and fertilizers commonly used in agriculture

Specifications:

- Flow rates: 30 - 300 lph (at 2.0 bar)
- Recommended operation pressure: 1.5 to 2.5 bar

Materials:

Nozzle - Acetal
 Bridge frame - Delerin
 Spinner - Polyamide

Versatility: a wide choice of models and applications

- Single or double bridge frame
- Installed in upright or inverted position
- 11 colour-coded nozzle sizes
- 4 assembly options with bayonet-mount nozzles:
 - *5mm threaded inlet stem* - fits directly into 4x7mm feeder tube
 - *Conical "press fit" inlet stem*
 - *3/8" male inlet* - accommodates PLASTRO's "Meteor" collar adaptors or the threaded hammer stake
 - *Ultra Nozzle* with press-fit or 5mm threaded inlet stem, fits on spiked plastic stakes, or on 8 mm metal rods. Serves flow rates up to 200 lph.



Rondo Performance Data

Nozzle Code & Size (mm)	Pressure (bar)	Flow Rate (lph)	Effective Wetting Radius for Different Spinners (m)						Deflectors			
			Spinners				Deflectors			2x30°	90°	180°
			Black*	Violet*	Green**	Blue**	2x30°	90°	180°			
Light Blue	1.5	25	2.1	2.0	3.7	2.6	n.a.	n.a.	n.a.			
●	2.0	30	2.1	2.2	3.7	2.6	n.a.	n.a.	n.a.			
	2.5	33	2.0	2.2	4.0	2.6	n.a.	n.a.	n.a.			
Black	1.5	35	2.8	2.2	4.2	3.5	2.0	2.4	2.1			
●	2.0	40	2.7	2.3	4.3	3.4	2.1	2.5	2.3			
0.85	2.5	43	2.7	2.5	4.4	3.4	2.2	2.6	2.4			
Blue	1.5	44	2.9	2.3	4.3	3.5	2.1	2.7	2.5			
●	2.0	51	2.8	2.5	4.3	3.7	2.2	2.8	2.6			
1.0	2.5	56	2.9	2.7	4.4	3.7	2.3	2.9	2.6			
Dark Blue	1.5	55	2.9	2.5	4.1	3.7	2.2	3.3	2.6			
●	2.0	64	3.1	2.7	4.3	3.7	2.3	3.5	2.7			
1.1	2.5	72	3.1	2.8	4.4	3.7	2.4	3.6	2.7			
Green	1.5	64	3.1	2.6	4.9	4.0	2.3	3.5	2.7			
●	2.0	75	3.0	2.6	4.9	4.0	2.4	3.6	2.8			
1.2	2.5	83	3.1	2.8	5.0	3.9	2.5	3.7	2.8			
Red	1.5	88	3.5	2.8	5.2	4.1	2.4	3.8	2.9			
●	2.0	102	3.7	2.8	5.3	4.3	2.5	4.0	3.0			
1.4	2.5	115	3.8	3.1	5.3	4.3	2.6	4.1	3.1			
White	1.5	114	4.1	3.2	5.4	4.2	2.5	4.1	2.8			
○	2.0	132	4.6	3.6	5.4	4.3	2.6	4.2	2.9			
1.6	2.5	150	4.6	3.7	5.3	4.5	2.7	4.4	3.0			
Violet	1.5	149	4.5	3.6	5.5	4.5	2.7	4.8	2.9			
●	2.0	174	4.6	3.8	5.6	4.6	2.8	5.0	3.0			
1.8	2.5	196	4.4	3.8	5.6	4.7	2.9	5.1	3.1			
Yellow	1.5	177	4.8	3.6	5.6	4.8	2.9	5.4	3.1			
●	2.0	205	4.9	4.0	5.7	4.8	3.0	5.6	3.1			
2.0	2.5	231	4.8	4.1	5.7	4.8	3.1	5.8	3.2			
Brown	1.5	220	4.6	4.2	5.6	4.6	3.2	5.9	3.2			
●	2.0	254	4.7	4.3	5.6	4.8	3.3	6.1	3.3			
2.2	2.5	284	4.8	4.4	5.6	4.8	3.4	6.2	3.3			
Orange	1.5	257	4.6	4.3	5.3	4.6	3.5	6.0	3.5			
●	2.0	298	5.1	4.5	5.3	4.8	3.6	6.1	3.5			
2.4	2.5	336	5.1	4.5	5.3	4.8	3.7	6.2	3.6			

* Upright position, 25 cm above ground level, at 2.0 bar

** Inverted position, 200 cm above ground level



Range Limiter
Spray wetting pattern 360° - 1.0 m radius

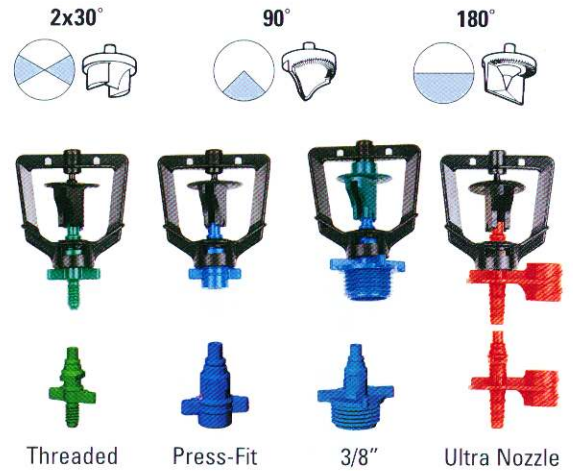
Spinner Models

Spinner Code	Position	Trajectory
◆ Black	Upright	Convex
◆ Violet	Upright	Flat
◆ Green	Inverted	Convex
◆ Blue	Inverted	Flat

Snap-fit Anti Insect Cap



Deflectors Wetting Patterns



Max. Recommended No. of Sprinklers on Irrigation Laterals*

Nozzle (lph)**	Tube Diameter O.D. (mm)	Spacing Between Emitters (m)					
		3	4	5	6	7	8
Light Blue***	16.0	21	19	17	16	15	15
●	17.8	25	23	21	20	19	18
30	20.0	32	29	27	25	24	23
Black	16.0	20	18	16	15	14	13
●	17.8	24	22	20	18	17	17
40	20.0	31	27	25	24	22	21
Blue	16.0	16	14	13	12	11	11
●	17.8	20	18	16	15	14	13
51	20.0	25	22	21	19	18	17
Dark Blue	16.0	13	12	11	10	10	9
●	17.8	16	15	13	12	12	11
64	20.0	21	19	17	16	15	14
Green	16.0	12	10	10	9	8	8
●	17.8	14	13	12	11	10	10
75	20.0	18	17	15	14	13	13
Red	16.0	10	8	8	7	7	6
●	17.8	12	10	10	9	8	8
102	20.0	15	13	12	12	11	10
White	16.0	8	7	6	6	6	5
○	17.8	10	9	8	7	7	7
132	20.0	13	11	10	10	9	9
Violet	20.0	10	9	8	8	7	7
●	25.0	15	14	13	12	11	11
174	32.0	24	22	20	19	18	17
Yellow	20.0	9	8	7	7	6	6
●	25.0	14	13	12	11	10	10
205	32.0	22	20	18	17	16	15
Brown	20.0	8	7	6	6	5	5
●	25.0	12	11	10	10	9	9
254	32.0	19	17	16	15	14	13
Orange	20.0	7	6	6	5	5	5
●	25.0	11	10	9	9	8	8
298	32.0	17	15	14	13	12	12

* At ± 5% flow variation

** Flow rates at 2.0 bar

*** Available only with Ultra nozzle

The data in this leaflet is intended to provide general information only. For design purposes, see PLASTRO EMITTERS manual "Hydraulic performance data for designers".