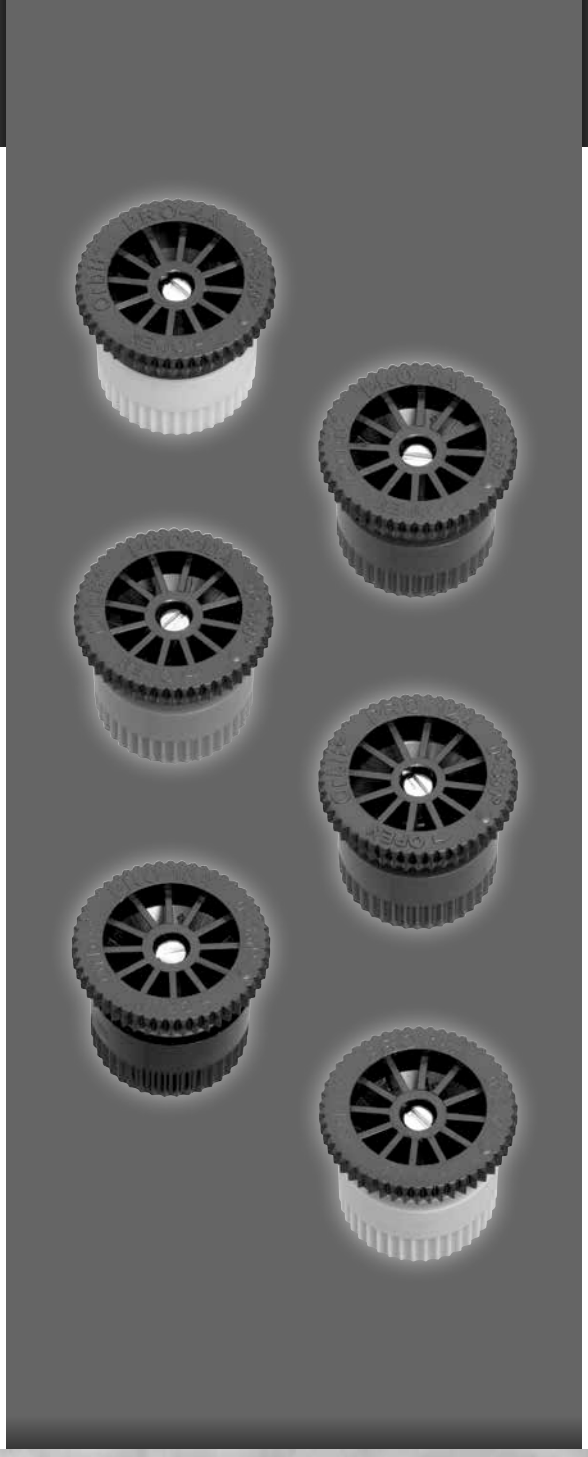
ADJUSTABLE PATTERN SPRAY NOZZLES

With Orbit's adjustable-arc nozzles, you can simplify your work without sacrificing quality or functionality. How? For starters, each is adjustable from 0°–360° so you don't have to carry a variety of nozzles with different arcs and waste your time finding just the right one. Matched precipitation nozzle sizes cover the entire project.

Plus, all Orbit adjustable-arc nozzles are conveniently color-coded to indicate their particular spray radius. And, thanks to the easy-to-grip, coin-edge design on the top of the nozzle, adjusting the arc and spray radius is fast, precise and easy on the hands.



FEATURES AND BENEFITS

- Bodies are color-coded according to spray radius, making identification a snap.
- Coin-edging around top of nozzle gives excellent grip-ability no matter the conditions and the exclusive color-coded arc edge indicator lets you set a precise pattern fast.
- Adjustment slot allows use of a screwdriver to give fine arc adjustment during operation, without intruding into the spray pattern.
- Matched precipitation, combined with outstanding distribution uniformity and lower precipitation rate than competition, generates improved efficiency.
- Three-piece design provides best-in-class right and left arc edges, optimizing distribution uniformity.
- Large .02 x .02 mesh filter reduces maintenance and ensures precipitation rate remains at optimal levels longer.
- 0°-360° full arc adjustment with matched precipitation.
- Color-coded arc edge indicator eliminates all guesswork by indicating left and right arc edges with water on or off.
- Nozzle stop stays flush to wiper seal across full range of arc adjustment, minimizing susceptibility to damage from lawn equipment and traffic.
- Stainless steel adjustment screw provides precise radius adjustment.
- Fits Orbit®, Hydro-Rain®, Rain Bird®, and Hunter®.

53580L (0º Trajectory)						SI (Metric)						
Nozzle	Pressure PSI	Radius ft.	Flow GPM	Precip. in./h ■	Precip. in./h ▲	Nozzle	Pressure Bars	Radius m	Flow m^3/h	Flow l/s	Precip. mm/h ■	Precip. mm/h ▲
90° Arc	15	4	0.40	9.50	10.98	90° Arc	1.0	1.2	0.09	0.02	241	279
	20	4	0.42	10.11	11.68		1.4	1.2	0.10	0.03	257	297
	25	4	0.46	10.95	12.65		1.7	1.2	0.10	0.03	278	321
	30	4	0.48	11.55	13.34		2.1	1.2	0.11	0.03	293	339
180° Arc	15	4	0.79	9.50	10.98	180° Arc	1.0	1.2	0.18	0.05	241	279
	20	4	0.74	10.11	11.68		1.4	1.2	0.19	0.05	257	297
	25	4	0.91	10.95	12.65		1.7	1.2	0.21	0.06	278	321
	30	4	0.96	11.55	13.34		2.1	1.2	0.22	0.06	293	339
270° Arc	15	4	1.19	9.50	10.98	270° Arc	1.0	1.2	0.27	0.07	241	279
	20	4	1.26	10.11	12.65		1.4	1.2	0.29	0.08	257	297
	25	4	1.37	10.95	12.65		1.7	1.2	0.31	0.09	278	321
	30	4	1.44	11.55	13.34		2.1	1.2	0.33	0.09	293	339
360° Arc	15	4	1.58	9.50	10.98	360° Arc	1.0	1.2	0.36	0.10	241	279
	20	4	1.68	10.11	12.65		1.4	1.2	0.38	0.11	257	297
	25	4	1.82	10.95	12.65		1.7	1.2	0.41	0.11	278	321
	30	4	1.92	11.55	13.34		2.1	1.2	0.44	0.12	293	339

53581L 5º (Trajectory)						SI (Metric)						
Nozzle	Pressure PSI	Radius ft.	Flow GPM	Precip. in./h ■	Precip. in./h ▲	Nozzle	Pressure Bars	Radius m	Flow m^3/h	Flow l/s	Precip. mm/h ■	Precip. mm/h ▲
90° Arc	15	7	0.53	4.16	4.81	90° Arc	1.0	2.1	0.12	0.03	106	122
	20	7	0.58	4.52	5.22		1.4	2.1	0.13	0.04	115	133
	25	8	0.62	3.70	4.27		1.7	2.4	0.14	0.04	94	109
	30	9	0.65	3.09	3.57		2.1	2.7	0.15	0.04	78	91
180° Arc	15	7	1.06	4.16	4.81	180° Arc	1.0	2.1	0.24	0.07	106	122
	20	7	1.15	4.52	5.22		1.4	2.1	0.26	0.07	115	133
	25	8	1.23	3.70	4.27		1.7	2.4	0.28	0.08	94	109
	30	9	1.30	3.09	3.57		2.1	2.7	0.30	0.08	78	91
270° Arc	15	7	1.59	4.16	4.81	270° Arc	1.0	2.1	0.36	0.10	106	122
	20	7	1.73	4.52	5.22		1.4	2.1	0.39	0.11	115	133
	25	8	1.85	3.70	4.27		1.7	2.4	0.42	0.12	94	109
	30	9	1.95	3.09	3.57		2.1	2.7	0.44	0.12	78	91
360° Arc	15	7	2.12	4.16	4.81	360° Arc	1.0	2.1	0.48	0.13	106	122
	20	7	2.30	4.52	5.22		1.4	2.1	0.52	0.15	115	133
	25	8	2.46	3.70	4.27		1.7	2.4	0.56	0.16	94	109
	30	9	2.60	3.09	3.57		2.1	2.7	0.59	0.16	78	91

53582 (10º Trajectory)						SI (Metric)						
Nozzle	Pressure PSI	Radius ft.	Flow GPM	Precip. in./h ■	Precip. in./h ▲	Nozzle	Pressure Bars	Radius m	Flow m^3/h	Flow l/s	Precip. mm/h ■	Precip. mm/h ▲
90° Arc	15	8	0.51	3.04	3.51	90° Arc	1.0	2.4	0.11	0.02	77	89
	20	8	0.57	3.43	3.96		1.4	2.4	0.13	0.04	87	101
	25	9	0.59	2.82	3.25		1.7	2.7	0.13	0.04	72	83
	30	10	0.67	2.56	2.96		2.1	3.0	0.15	0.04	65	75
180° Arc	15	8	1.01	3.04	3.51	180° Arc	1.0	2.4	0.23	0.06	77	89
	20	8	1.14	3.43	3.96		1.4	2.4	0.26	0.07	87	101
	25	9	1.19	2.82	3.25		1.7	2.7	0.27	0.07	72	83
	30	10	1.33	2.56	2.96		2.1	3.0	0.30	0.08	65	75
270° Arc	15	8	1.52	3.04	3.51	270° Arc	1.0	2.4	0.34	0.10	77	89
	20	8	1.71	3.43	3.96		1.4	2.4	0.39	0.11	87	101
	25	9	1.78	2.82	3.25		1.7	2.7	0.40	0.11	72	83
	30	10	2.00	2.56	2.96		2.1	3.0	0.45	0.13	65	75
360° Arc	15	8	2.02	3.04	3.51	360° Arc	1.0	2.4	0.46	0.13	77	89
	20	8	2.28	3.43	3.96		1.4	2.4	0.52	0.14	87	101
	25	9	2.37	2.82	3.25		1.7	2.7	0.54	0.15	72	83
	30	10	2.66	2.56	2.96		2.1	3.0	0.60	0.17	65	75

53583L (15º Trajectory)						SI (Metric)						
Nozzle	Pressure PSI	Radius ft.	Flow GPM	Precip. in./h ■	Precip. in./h ▲	Nozzle	Pressure Bars	Radius m	Flow m^3/h	Flow l/s	Precip. mm/h ■	Precip. mm/h ▲
90° Arc	15	11	0.52	1.65	1.91	90° Arc	1.0	3.4	0.12	0.03	42	49
	20	11	0.61	1.94	2.24		1.4	3.4	0.14	0.04	49	57
	25	12	0.70	1.86	2.15		1.7	3.7	0.16	0.04	47	55
	30	13	0.71	1.61	1.86		2.1	4.0	0.16	0.04	41	47
180° Arc	15	11	1.04	1.65	1.91	180° Arc	1.0	3.4	0.24	0.07	42	49
	20	11	1.22	1.94	2.24		1.4	3.4	0.28	0.08	49	57
	25	12	1.40	1.86	2.15		1.7	3.7	0.32	0.09	47	55
	30	13	1.41	1.61	1.86		2.1	4.0	0.32	0.09	41	47
270° Arc	15	11	1.56	1.65	1.91	270° Arc	1.0	3.4	0.35	0.10	42	49
	20	11	1.83	1.94	2.24		1.4	3.4	0.42	0.12	49	57
	25	12	2.09	1.86	2.15		1.7	3.7	0.48	0.13	47	55
	30	13	2.12	1.61	1.86		2.1	4.0	0.48	0.13	41	47
360° Arc	15	11	2.08	1.65	1.91	360° Arc	1.0	3.4	0.47	0.13	42	49
	20	11	2.44	1.94	2.24		1.4	3.4	0.55	0.15	49	57
	25	12	2.79	1.86	2.15		1.7	3.7	0.63	0.18	47	55
	30	13	2.82	1.61	1.86		2.1	4.0	0.64	0.18	41	47

53584L (23º Trajectory)						SI (Metric)						
Nozzle	Pressure PSI	Radius ft.	Flow GPM	Precip. in./h ■	Precip. in./h ▲	Nozzle	Pressure Bars	Radius m	Flow m^3/h	Flow l/s	Precip. mm/h ■	Precip. mm/h ▲
90° Arc	15	14	0.69	1.35	1.56	90° Arc	1.0	4.3	0.16	0.04	34	40
	20	14	0.72	1.41	1.63		1.4	4.3	0.16	0.05	36	41
	25	15	0.75	1.29	1.49		1.7	4.6	0.17	0.05	33	38
	30	16	0.78	1.17	1.36		2.1	4.9	0.18	0.05	30	34
180° Arc	15	14	1.38	1.35	1.56	180° Arc	1.0	4.3	0.31	0.09	34	40
	20	14	1.44	1.41	1.63		1.4	4.3	0.33	0.09	36	41
	25	15	1.51	1.29	1.49		1.7	4.6	0.34	0.09	33	38
	30	16	1.56	1.17	1.36		2.1	4.9	0.35	0.10	30	34
270° Arc	15	14	2.06	1.35	1.56	270° Arc	1.0	4.3	0.47	0.13	34	40
	20	14	2.15	1.41	1.63		1.4	4.3	0.49	0.14	36	41
	25	15	2.26	1.29	1.49		1.7	4.6	0.51	0.14	33	38
	30	16	2.34	1.17	1.36		2.1	4.9	0.53	0.15	30	34
360° Arc	15	14	2.75	1.35	1.56	360° Arc	1.0	4.3	0.62	0.17	34	40
	20	14	2.87	1.41	1.63		1.4	4.3	0.65	0.18	36	41
	25	15	3.01	1.29	1.49		1.7	4.6	0.68	0.19	33	38
	30	16	3.12	1.17	1.36		2.1	4.9	0.71	0.20	30	34

53585 (26º Trajectory)						SI (Metric)						
Nozzle	Pressure PSI	Radius ft.	Flow GPM	Precip. in./h ■	Precip. in./h ▲	Nozzle	Pressure Bars	Radius m	Flow m^3/h	Flow l/s	Precip. mm/h ■	Precip. mm/h ▲
90° Arc	15	15	0.71	1.22	1.41	90° Arc	1.0	4.6	0.16	0.04	31	36
	20	16	0.74	1.11	1.29		1.4	4.9	0.17	0.05	28	33
	25	17	0.78	1.04	1.20		1.7	5.2	0.18	0.05	26	30
	30	18	0.83	0.98	1.13		2.1	5.5	0.19	0.05	25	29
180° Arc	15	15	1.43	1.22	1.41	180° Arc	1.0	4.6	0.32	0.09	31	36
	20	16	1.48	1.11	1.29		1.4	4.9	0.34	0.09	28	33
	25	17	1.56	1.04	1.20		1.7	5.2	0.35	0.10	26	30
	30	18	1.65	0.98	1.13		2.1	5.5	0.37	0.10	25	29
270° Arc	15	15	2.14	1.22	1.41	270° Arc	1.0	4.6	0.49	0.13	31	36
	20	16	2.22	1.11	1.29		1.4	4.9	0.50	0.14	28	33
	25	17	2.34	1.04	1.20		1.7	5.2	0.53	0.15	26	30
	30	18	2.48	0.98	1.13		2.1	5.5	0.56	0.16	25	29
360° Arc	15	15	2.85	1.22	1.41	360° Arc	1.0	4.6	0.65	0.18	31	36
	20	16	2.96	1.11	1.29		1.4	4.9	0.67	0.19	28	33
	25	17	3.12	1.04	1.20		1.7	5.2	0.71	0.20	26	30
	30	18	3.30	0.98	1.13		2.1	5.5	0.75	0.21	25	29

ADJUSTABLE PATTERN SPRAY NOZZLES

OPERATING RANGE

- **Radius:**
  53580L 4 feet (1,2m)
  53581L 8 feet (2,4m)
  53582 10 feet (3,0m)
  53583L 12 feet (3,7m)
  53584L 15 feet (4,6m)
  53585 18 feet (5,5m)
- **Flow:** See chart information for pressure/flow data
- **Optimal Pressure Range:** 15~30 PSI (70 PSI maximum)
- **Filtration:** .02 X .02 Mesh

CUTAWAY