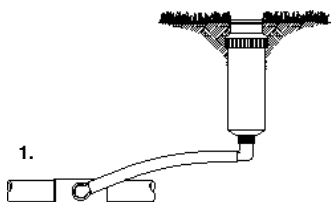


GEAR DRIVE INSTALLATION & ADJUSTMENT

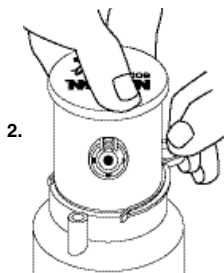
1. ATTACH TO UNDERGROUND PIPE

CAUTION: Do not use pipe dope. Make sure the gear drive is installed at the finished grade height.



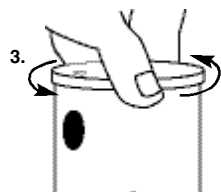
2. CLAMP IN "UP" POSITION

Grab protective cap and pull up until seam appears, slip clamp in place.



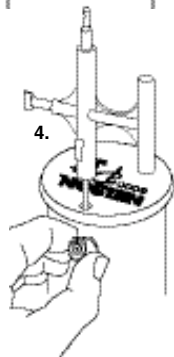
3. REMOVING BAYONET PROTECTIVE CAP

It works much like a medicine bottle cap and helps to insure the protective cap stays assembled. Twist the bayonet cap counter-clockwise past the snap until you reach the fixed stop and then lift up to remove. All models are designated with model number stamped in rubber cover for easy identification.



4. SELECT AND INSTALL NOZZLE

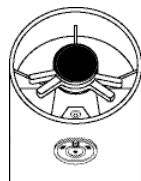
Back out nozzle retaining screw. Slip nozzle into hole and replace screw. Make sure screw is driven in enough to clear surrounding plastic, or bayonet cap will not twist on.



For heads at the bottom of slopes, an ADV disk can be installed to reduce run-off when the system is off.

5. FULL CIRCLE ADJUSTMENT

For FULL CIRCLE; leave black side up. No need to set collars.



5. Click-Set® Disk

6. PART CIRCLE ADJUSTMENT

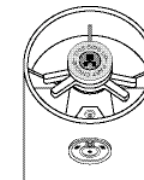
A. REMOVE CLICK-SET® DISK

and manually turn sprinkler until nozzle points to the center of the desired watering area.

B. PLACE CLICK-SET® DISK IN POSITION GRAY SIDE UP

Adjust collars to desired angle.

6. A & B



C. MEMORY RING PROTECTION

If sprinkler is manually turned past the set pattern, the memory ring will pop temporarily out of position while the sprinkler rotates around to its original part circle pattern. If the memory ring gets out of position while you are setting the pattern, remove the disk and rotate the ring with your fingers until the tab clicks into place.

C. Memory Ring

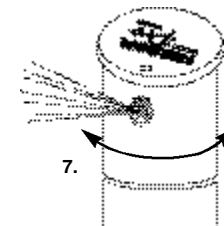


Normal Position Out of Position

7. QUICK ADJUST

Ratcheting piston allows for quick turret adjustment for part-circle applications— wet or dry.

*** THE RATCHETING PISTON, WET OR DRY, WILL NOT BREAK DURING ADJUSTMENT.**

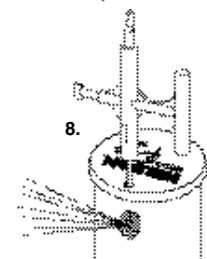


7.

8. CHECK WITH WATER ON

Check part circle patterns. Turn diffuser screw clockwise to diffuse spray as needed. Make sure top of diffuser screw is below surrounding plastic.

CAUTION: Turn water on SLOWLY to bleed air during initial start-up. We recommend a velocity fill rate of less than 2 feet per second.



8.

9. REPLACE BAYONET CAP

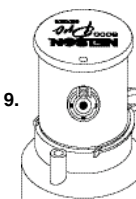
A. STANDARD INSTALLATION

Twist bayonet cap clockwise and make sure it snaps into the locking position. This will align the bayonet cap on the head.

B. LOCKING SCREW

Twist cap on and line up with nozzle. Turn screw in through dimple on top of cap. Screw in until top of screw is recessed into rubber.

9.



NELSON TURF

Quality. Service. Guaranteed!

5500 6000 6500 PRO SERIES

5500 PRO SERIES Nozzle Color: White 13° trajectory

Pressure	Max Radius	Min Radius	Discharge	Precipitation Rate¹		Nozzle Number	Pressure	Max Radius	Min Radius	Discharge	Precipitation Rate¹		
				IN/HR■	IN/HR▲						mm/hr■	mm/hr▲	
PSI	FT	FT	GPM	IN/HR■	IN/HR▲		BAR	kPa	m	m	L/min	m³/hr	
20	18	14	0.5	0.30	0.37	51	1.4	138	5.5	4.1	1.9	0.11	
35	20	15	0.7	0.34	0.42		2.5	242	6.1	4.6	2.6	0.16	8.6
50	21	16	0.8	0.35	0.44		3.5	345	6.4	4.8	3.0	0.18	8.9
20	20	15	0.8	0.39	0.48	52	1.4	138	6.1	4.6	3.0	0.18	
35	24	18	1.2	0.40	0.50		2.5	242	7.3	5.5	4.5	0.27	10.2
50	25	19	1.3	0.40	0.50		3.5	345	7.6	5.7	4.9	0.30	10.2
20	22	17	1.1	0.44	0.55	53	1.4	138	6.7	5.0	4.2	0.25	
35	27	20	1.6	0.42	0.53		2.5	242	8.2	6.2	6.1	0.36	10.7
50	28	21	1.8	0.44	0.55		3.5	345	8.5	6.4	6.8	0.41	11.2
20	23	17	1.6	0.58	0.73	54	1.4	138	7.0	5.3	6.1	0.36	
35	31	23	2.2	0.44	0.55		2.5	242	9.5	7.1	8.3	0.50	11.2
50	32	24	2.5	0.47	0.59		3.5	345	9.8	7.3	9.5	0.57	11.9

6500 PRO SERIES Nozzle Color: Blue 25° trajectory

Pressure	Max Radius	Min Radius	Discharge	Precipitation Rate¹		Nozzle Number	Pressure	Max Radius	Min Radius	Discharge	Precipitation Rate¹		
				IN/HR■	IN/HR▲						mm/hr■	mm/hr▲	
PSI	FT	FT	GPM	IN/HR■	IN/HR▲		BAR	kPa	m	m	L/min	m³/hr	
45	44	33	2.8	0.23	0.29	61	3.1	310	13.4	10.1	10.6	0.64	
60	46	35	3.3	0.27	0.34		4.1	414	14.0	10.5	12.5	0.75	6.9
75	46	35	3.8	0.31	0.39		5.2	517	14.0	10.5	14.4	0.86	7.9
45	48	36	5.2	0.39	0.49	62	3.1	310	14.6	11.0	19.7	1.18	
60	52	39	6.1	0.41	0.52		4.1	414	15.9	11.9	23.1	1.39	10.5
75	54	41	7.0	0.44	0.54		5.2	517	16.5	12.4	26.5	1.59	11.1
45	51	38	7.4	0.52	0.65	63	3.1	310	15.6	11.7	28.0	1.68	
60	54	41	8.8	0.55	0.68		4.1	414	16.5	12.4	33.3	2.00	13.9
75	55	41	10.1	0.60	0.75		5.2	517	16.8	12.6	38.2	2.29	15.4
45	52	39	9.7	0.67	0.83	64	3.1	310	15.9	11.9	36.7	2.20	
60	57	43	11.6	0.66	0.82		4.1	414	17.4	13.0	43.9	2.63	16.7
75	60	45	13.2	0.66	0.84		5.2	517	18.3	13.7	50.0	3.00	17.1

6503/6513 PRO HIGH SPEED

Nozzle Color: Blue 25° trajectory

Pressure	Max Radius	Min Radius	Discharge	Precipitation Rate¹		Nozzle Number	Pressure	Max Radius	Min Radius	Discharge	Precipitation Rate¹		
				IN/HR■	IN/HR▲						mm/hr■	mm/hr▲	
PSI	FT	FT	GPM	IN/HR■	IN/HR▲		BAR	kPa	m	m	L/min	m³/hr	
45	43	32	2.8	0.29	0.34	61	3.1	310	13.1	9.8	10.6	0.64	
60	43	32	3.3	0.34	0.40		4.1	414	13.1	9.8	12.5	0.75	38.1
75	43	32	3.8	0.40	0.46		5.2	517	13.1	9.8	14.4	0.86	43.8
45	44	33	5.2	0.52	0.60	62	3.1	310	13.4	10.1	19.7	1.18	
60	46	35	6.1	0.56	0.64		4.1	414	14.0	10.5	23.1	1.39	61.5
75	47	35	7.0	0.61	0.71		5.2	517	14.3	10.7	26.5	1.59	67.6
45	48	36	7.4	0.62	0.72	63	3.1	310	14.6	11.0	28.0	1.68	
60	50	38	8.8	0.68	0.79		4.1	414	15.2	11.4	33.3	2.00	75.1
75	50	38	10.1	0.78	0.90		5.2	517	15.2	11.4	38.2	2.29	86.2
45	46	35	9.7	0.89	1.02	64	3.1	310	14.0	10.5	36.7	2.20	
60	49	37	11.6	0.93	1.08		4.1	414	14.9	11.2	43.9	2.63	103.0
75	51	38	13.2	0.98	1.13		5.2	517	15.5	11.7	50.0	3.00	108.2

6000 PRO SERIES Nozzle Color: Blue 25° trajectory

Pressure	Max Radius	Min Radius	Discharge	Precipitation Rate¹		Nozzle Number	Pressure	Max Radius	Min Radius	Discharge	Precipitation Rate¹		
				IN/HR■	IN/HR▲						mm/hr■	mm/hr▲	
PSI	FT	FT	GPM	IN/HR■	IN/HR▲		BAR	kPa	m	m	L/min	m³/hr	
20	30	23	1.0	0.21	0.27	4	1.4	138	9.2	6.9	3.8	0.23	
35	31	23	1.4	0.28	0.35		2.5	242	9.5	7.1	5.3	0.32	7.1
50	34	26	1.7	0.28	0.35		3.5	345	10.4	7.8	6.4	0.39	7.2
20	33	25	1.2	0.21	0.26	5	1.4	138	10.1	7.5	4.5	0.27	
35	37	28	1.6	0.23	0.28		2.5	242	11.3	8.5	6.1	0.36	5.7
50	38	29	1.9	0.25	0.32		3.5	345	11.6	8.7	7.2	0.43	6.4
20	32	24	1.4	0.26	0.33	6	1.4	138	9.8	7.3	5.3	0.32	
35	38	29	1.9	0.25	0.32		2.5	242	11.6	8.7	7.2	0.43	6.4
50	40	30	2.3	0.28	0.35		3.5	345	12.2	9.2	8.7	0.52	7.0
20	38	29	2.2	0.29	0.37	7	1.4	138	11.6	8.7	8.3	0.50	
35	40	30	2.7	0.33	0.41		2.5	242	12.2	9.2	10.2	0.61	8.3
50	41	31	3.1	0.36	0.44		3.5	345	12.5	9.4	11.7	0.70	9.0
35	38	29	3.1	0.41	0.52	8	2.5	242	11.6	8.7	11.7	0.70	10.5
50	42	32	4.0	0.44	0.54		3.5	345	12.8	9.6	15.1	0.91	11.1
65	43	32	4.6	0.48	0.60		4.6	449	13.1	9.8	17.4	1.04	12.2
35	42	32	4.2	0.46	0.57	9	2.5	242	12.8	9.6	15.9	0.95	11.6
50	47	35	5.4	0.47	0.59		3.5	345	14.3	10.8	20.4	1.23	12.0
65	48	36	6.3	0.53	0.66		4.6	449	14.6	11.0	23.8	1.43	13.4
35	42	32	5.4	0.59	0.74	10	2.5	242	12.8	9.6	20.4	1.23	15.0
50	48	36	6.8	0.57	0.71		3.5	345	14.6	11.0	25.7	1.54	14.4
65	49	37	8.0	0.64	0.80		4.6	449	14.9	11.2	30.3	1.82	16.3
35	42	32	6.4	0.70	0.87	11	2.5	242	12.8	9.6	24.2	1.82	17.7
50	48	36	8.1	0.68	0.84		3.5	345	14.6	11.0	30.7	1.84	17.2
65	51	38	9.5	0.70	0.88		4.6	449	15.6	11.7	36.0	2.16	17.9

6095 LOW ANGLE Nozzle Color: Green 13° trajectory (optional for 6000 series only)

Pressure	Max Radius	Min Radius	Discharge	Precipitation Rate¹		Nozzle Number	Pressure	Max Radius	Min Radius	Discharge	Precipitation Rate¹		
				IN/HR■	IN/HR▲						mm/hr■	mm/hr▲	
PSI	FT	FT	GPM	IN/HR■	IN/HR▲		BAR	kPa	m	m	L/min	m³/hr	
20	26	20	0.9	0.26	0.32	4	1.4	138	7.9	5.9	3.4	0.20	
35	33	25	1.3	0.23	0.29		2.5	242	10.1	7.5	4.9	0.30	5.8
50	34	26	1.5	0.25	0.31		3.5	345	10.4	7.8	5.7	0.34	6.3
20	26	20	1.1	0.31	0.39	5	1.4	138	7.9	5.9	4.2	0.25	
35	33	25	1.4	0.25	0.31		2.5	242	10.1	7.5	5.3	0.32	6.3
50	35	26	1.7	0.27	0.33		3.5	345	10.7	8.0	6.4	0.39	6.8
20	26	20	1.4	0.40	0.50	6	1.4	138	7.9	5.9	5.3	0.32	
35	33	25	1.9	0.34	0.42		2.5	242	10.1	7.5	7.2	0.43	8.5
50	36	27	2.3	0.34	0.43		3.5	345	11.0	8.2	8.7	0.52	8.7
20	31	23	2.5	0.50	0.62	7	1.4	138	9.5	7.1	9.5	0.57	
35	35	26	3.1	0.49	0.61		2.5	242	10.7	8.0	11.7	0.70	12.4
50	37	28	3.5	0.49	0.61		3.5	345	11.3	8.5	13.2	0.79	12.5
35	32	24	3.2	0.60	0.75	8	2.5	242	9.8	7.3	12.1	0.73	
50	38	29	4.0	0.53	0.67		3.5	345	11.6	8.7	15.1	0.91	13.6
65	39	29	4.7	0.60	0.74		4.6	449	11.9	8.9	17.8	1.07	15.1
35	34	26	3.9	0.65	0.81	9	2.5	242	10.4	7.8	14.8	0.89	
50	37	28	4.9	0.69	0.86		3.5	345	11.3	8.5	18.5	1.11	17.5
65	40	30	5.7	0.69	0.86		4.6	449	12.2	9.2	21.6	1.29	17.4
35	33	25	5.1	0.90	1.12	10	2.5	242	10.1	7.5	19.3	1.16	
50	39	29	6.4	0.81	1.01		3.5	345	11.9	8.9	24.2	1.45	20.6
65	42	32	7.5	0.82	1.02		4.6						