

7000/7500Pro Rotor

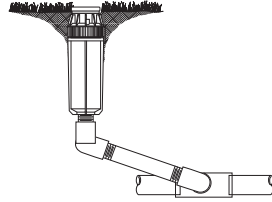
Installation Instructions

Gear Drive Installation & Adjustment

1 ATTACH TO UNDERGROUND PIPE

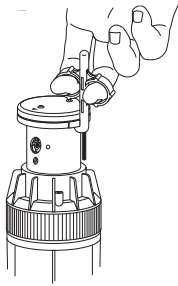
CAUTION: Do not use pipe dope. Make sure the gear drive is installed at the finished grade height.

Note: For easiest installation, install nozzle and adjust arc after sprinkler is in ground.



2 CLAMP IN "UP" POSITION

A. 7000 - Insert wrench at pull up point on cap plate at either end of the logo. Pull up until all three nozzle openings appear; slip clamp in place.



B. 7500 - Insert wrench on stainless steel plate under cap and pull up until all three nozzle openings appear; slide clamp in place.

3 REMOVING CAP

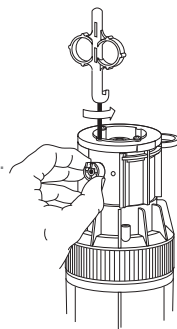
Remove two phillips screws in rubber cap and lift cap off.



4 SELECT AND INSTALL NOZZLE

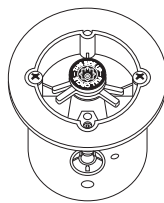
Back out nozzle retaining screw until nozzle hole is cleared. Slip nozzle into hole and tighten screw. Make sure screw is driven in far enough to hold the nozzle in place. For maximum distance, do not diffuse spray with screw.

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



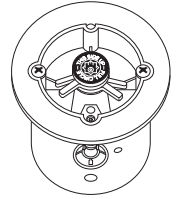
5 FULL CIRCLE ADJUSTMENT

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



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.



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.



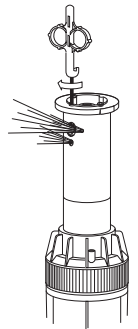
Normal

Out of Position

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.

7 CHECK WITH WATER ON

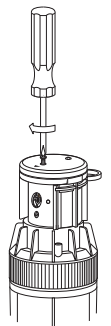
Check part circle patterns. Turn diffuser screw clockwise to diffuse spray as needed.



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.

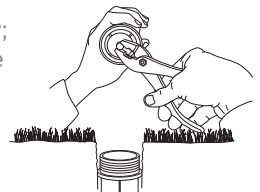
8 REPLACE CAP

Replace cap with indicator pointing in direction of nozzle and install screws. Pull up piston slightly with wrench to remove clamp. Let piston down and remove wrench.



9 EASY MAINTENANCE

To clean filter or service sprinkler; unscrew canister top and remove sprinkler. Note: The plate on top of the piston should not be removed. Remove filter by pulling center knob or side tabs with pliers.



7000 Pro Series 25° Trajectory

Nozzle	Pressure PSI	Max. Radius* ft.	Min. Radius* ft.	Flow GPM	Precip. in/hr ■	Precip. in/hr ▲	Metric							
							Pressure BAR	Pressure kPa	Max. Radius m	Min. Radius* m	Flow L/min	Flow m ³ /hr	Precip. mm/ hr ■	Precip. mm/ hr ▲
1	45	41	31	5.6	0.64	0.74	3.1	310	12.5	9.4	21.2	1.27	16.3	18.8
	60	42	32	5.9	0.64	0.74	4.1	414	12.8	9.6	22.3	1.34	16.4	18.9
	75	42	32	7.2	0.79	0.91	5.2	517	12.8	9.6	27.3	1.64	20.0	23.0
	90	43	32	7.8	0.81	0.94	6.2	621	13.1	9.8	29.5	1.77	20.6	23.8
2	45	48	36	6.9	0.58	0.67	3.1	310	14.6	11.0	26.1	1.57	14.6	16.9
	60	49	37	7.8	0.63	0.72	4.1	414	14.9	11.2	29.5	1.77	15.9	18.3
	75	49	37	8.9	0.71	0.82	5.2	517	14.9	11.2	33.7	2.02	18.1	20.9
	90	50	38	9.8	0.75	0.87	6.2	621	15.2	11.4	37.1	2.23	19.2	22.1
3	45	52	39	8.7	0.62	0.72	3.1	310	15.9	11.9	32.9	1.98	15.7	18.2
	60	53	40	9.9	0.68	0.78	4.1	414	16.2	12.1	37.5	2.25	17.2	19.9
	75	53	40	11.3	0.77	0.89	5.2	517	16.2	12.1	42.8	2.57	19.7	22.7
	90	54	41	12.4	0.82	0.95	6.2	621	16.5	12.3	46.9	2.82	20.8	24.0
4	45	54	41	10.7	0.71	0.82	3.1	310	16.5	12.3	40.5	2.43	17.9	20.7
	60	55	41	12.2	0.78	0.90	4.1	414	16.8	12.6	46.2	2.77	19.7	22.8
	75	56	42	14.0	0.86	0.99	5.2	517	17.1	12.8	53.0	3.18	21.8	25.2
	90	58	44	15.3	0.88	1.01	6.2	621	17.7	13.3	57.9	3.48	22.2	25.7
5	45	55	41	11.5	0.73	0.85	3.1	310	16.8	12.6	43.5	2.61	18.6	21.5
	60	57	43	13.2	0.78	0.90	4.1	414	17.4	13.0	50.0	3.00	19.9	22.9
	90	57	43	15.1	0.89	1.03	6.2	17	17.4	13.0	57.2	3.43	22.7	26.2
	90	59	44	16.4	0.91	1.05	6.2	621	18.0	13.5	62.1	3.73	23.0	26.6
6	45	56	42	13.7	0.84	0.97	3.1	310	17.1	12.8	51.9	3.11	21.4	24.7
	60	59	44	15.7	0.87	1.00	4.1	414	18.0	13.5	59.4	3.57	22.1	25.5
	75	61	46	18.8	0.97	1.12	5.2	517	18.6	13.9	71.2	4.27	24.7	28.5
	90	63	47	19.6	0.95	1.10	6.2	621	19.2	14.4	74.2	4.45	24.1	27.9

¹ Precipitation rates for square and triangular spacing calculated at 50% of diameter for half-circle operation. Assumes zero wind for precipitation and radius. Adjust for local conditions.

7500 Pro Series 25° Trajectory

Nozzle	Pressure PSI	Max. Radius* ft.	Min. Radius* ft.	Flow GPM	Precip. in/hr ■	Precip. in/hr ▲	Metric							
							Pressure BAR	Pressure kPa	Max. Radius m	Min. Radius* m	Flow L/min	Flow m ³ /hr	Precip. mm/ hr ■	Precip. mm/ hr ▲
3	45	53	40	9.4	0.64	0.8	3.1	310	16.2	12.1	35.6	2.13	16.4	20.4
	60	56	42	10.9	0.67	0.83	4.1	414	17.1	12.8	41.3	2.47	17	21.2
	75	57	43	12.2	0.72	0.9	5.2	517	17.4	13	46.2	2.77	18.4	22.9
	90	58	44	13.4	0.77	0.96	6.2	621	17.7	13.3	50.7	3.04	19.5	24.3
4	45	54	41	11.4	0.75	0.94	3.1	310	16.5	12.4	43.1	2.59	19.1	23.8
	60	59	44	13.2	0.73	0.91	4.1	414	18	13.5	50	3	18.6	23.1
	75	61	46	14.9	0.77	0.96	5.2	517	18.6	14	56.4	3.38	19.6	24.4
	90	62	47	16.4	0.82	1.02	6.2	621	18.9	14.2	62.1	3.72	20.9	26
5	45	57	43	12.3	0.73	0.91	3.1	310	17.4	13	46.6	2.79	18.5	23.1
	60	61	46	14.4	0.75	0.93	4.1	414	18.6	14	54.5	3.27	18.9	23.6
	75	65	49	16.2	0.74	0.92	5.2	517	19.8	14.9	61.3	3.68	18.8	23.4
	90	66	50	17.8	0.79	0.98	6.2	621	20.1	15.1	67.4	4.04	20	24.9
6	60	64	48	17.5	0.82	1.03	4.1	414	19.5	14.6	66.2	3.97	20.9	26.1
	75	68	51	20	0.83	1.04	5.2	517	20.7	15.6	75.7	4.54	21.2	26.4
	90	68	51	22.1	0.92	1.15	6.2	621	20.7	15.6	83.6	5.02	23.4	29.2
	60	65	49	19.6	0.89	1.11	4.1	414	19.8	14.9	74.2	4.45	22.7	28.3
7	75	69	52	21.3	0.86	1.07	5.2	517	21	15.8	80.6	4.84	21.9	27.3
	90	73	55	24.6	0.89	1.11	6.2	621	22.3	16.7	93.1	5.58	22.6	28.2
	60	66	50	21.8	0.96	1.2	4.1	414	20.1	15.1	82.5	4.95	24.5	30.5
	75	71	53	24.8	0.95	1.18	5.2	517	21.7	16.2	93.9	5.63	24.1	30
90	74	56	27.5	0.97	1.21	6.2	621	22.6	16.9	104.1	6.24	24.6	30.6	

¹ Precipitation rates for square and triangular spacing calculated at 50% of diameter for half-circle operation. Assumes zero wind for precipitation and radius. Adjust for local conditions.

7503 Pro High Speed Series 25° Trajectory

Nozzle	Pressure PSI	Max. Radius* ft.	Min. Radius* ft.	Flow GPM	Precip. in/hr ■	Precip. in/hr ▲	Metric							
							Pressure BAR	Pressure kPa	Max. Radius m	Min. Radius* m	Flow L/min	Flow m ³ /hr	Precip. mm/ hr ■	Precip. mm/ hr ▲
3	45	48	36	9.4	0.79	0.98	3.1	310	14.6	11	35.6	2.13	20	24.9
	60	50	38	10.9	0.84	1.05	4.1	414	15.3	11.4	41.3	2.47	21.3	26.6
	75	50	38	12.2	0.94	1.17	5.2	517	15.3	11.4	46.2	2.77	23.9	29.8
	90	53	40	13.4	0.92	1.15	6.2	621	16.2	12.1	50.7	3.04	23.3	29.1
4	45	51	38	11.4	0.84	1.05	3.1	310	15.6	11.7	43.1	2.59	21.4	26.7
	60	54	41	13.2	0.87	1.09	4.1	414	16.5	12.4	50.0	3.0	22.1	27.6
	75	55	41	14.9	0.95	1.18	5.2	517	16.8	12.6	56.4	3.38	24.1	30.0
	90	55	41	16.4	1.04	1.3	6.2	621	16.8	12.6	62.1	3.72	26.5	33.1
5	45	52	39	12.3	0.88	1.09	3.1	310	15.9	11.9	46.6	2.79	22.3	27.8
	60	55	41	14.4	0.92	1.14	4.1	414	16.8	12.6	54.5	3.27	23.3	29.0
	75	57	43	16.2	0.96	1.2	5.2	517	17.4	13.0	61.3	3.68	24.4	30.4
	90	58	44	17.8	1.02	1.27	6.2	621	17.7	13.3	67.4	4.04	25.9	32.3
6	60	58	44	17.5	1.00	1.25	4.1	414	17.7	13.3	66.2	3.97	25.4	31.7
	75	60	45	20.0	1.07	1.33	5.2	517	18.3	13.7	75.7	4.54	27.2	33.9
	90	61	46	22.1	1.14	1.43	6.2	621	18.6	14.0	83.6	5.02	29.1	36.2
	60	58	44	19.6	1.12	1.4	4.1	414	17.7	13.3	74.2	4.45	28.5	35.5
7	75	60	45	21.3	1.14	1.42	5.2	517	18.3	13.7	80.6	4.84	28.9	36.1
	90	61	46	24.6	1.27	1.59	6.2	621	18.6	14.0	93.1	5.58	32.3	40.3
	60	59	44	21.8	1.21	1.5	4.1	414	18.0	13.5	82.5	4.95	30.6	38.2
	75	61	46	24.8	1.28	1.6	5.2	517	18.6	14.0	93.9	5.63	32.6	40.7
90	64	48	27.5	1.29	1.61	6.2	621	19.5	14.6	104.1	6.24	32.8	41.0	

¹ Precipitation rates for square and triangular spacing calculated at 50% of diameter for half-circle operation. Assumes zero wind for precipitation and radius. Adjust for local conditions.



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