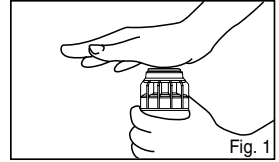


### Arc Adjustments

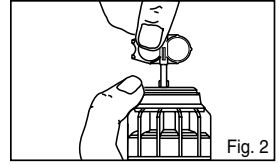
All I-25 and I-31 adjustable arc sprinklers are preset at approximately 180°. Sprinklers may be adjusted with water on or off. It is recommended that initial adjustment be made before installation.

1. Using the palm of your hand, rotate the nozzle turret counterclockwise to left stop to complete any interrupted rotation cycle (Fig. 1).
2. Rotate the nozzle turret clockwise to right stop. This is the fixed side of the arc. The nozzle turret must be held in this position for all arc adjustments.



#### To Increase Arc

1. Insert the key end of the Hunter wrench into the adjustment socket (Fig. 2 & Fig. 3).
2. While holding the nozzle turret at the right stop, turn the wrench clockwise. Each 360° turn of the wrench increases the arc 45°.
3. Adjust to any arc between 40° and 360°.
4. Wrench will stop turning, or there will be a ratcheting noise, when the maximum arc (360°) is reached.



#### To Decrease Arc

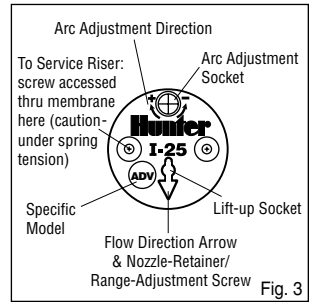
1. Insert the key end of the Hunter wrench into the adjustment socket (Fig. 2 & Fig. 3).
2. While holding the nozzle turret at the right stop, turn the wrench counterclockwise. Each 360° turn of the wrench decreases the arc 45°.
3. Adjust to any arc between 40° and 360°.
4. Wrench will stop turning, or there will be a ratcheting noise, when the minimum arc (40°) is reached.

### Radius Adjustment

Insert the hex end of the Hunter wrench into the nozzle-retainer/range-adjustment screw (Fig. 3). Turn the screw clockwise into the stream of water to decrease the radius, or counterclockwise to increase the radius.

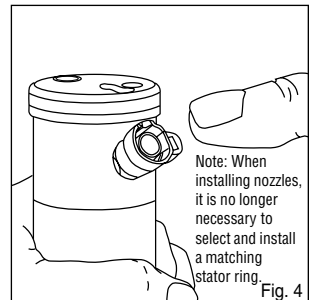
### Precipitation Rate Adjustment

Where excessively wet or dry areas are a problem, the precipitation rate may be adjusted. Simply replace the existing nozzle with a larger one to increase, or a smaller one to decrease the rate of precipitation.

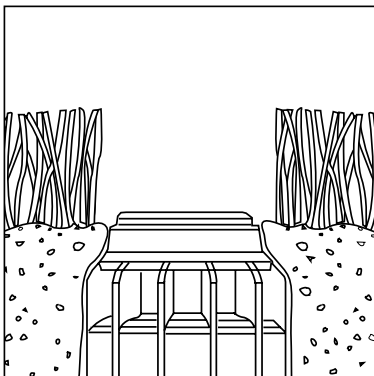


### Nozzle Installation

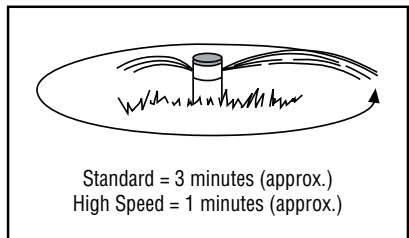
1. Insert the key end of the Hunter wrench into the lifting socket of a pop-up sprinkler and rotate wrench 90°. Pull the riser up to gain access to the nozzle opening in rotating turret.
2. Using the Hunter wrench, loosen the nozzle-retainer/range-adjustment screw. If a nozzle is already installed in the sprinkler, it may now be removed with pliers by grabbing the tab in the center and pulling out.
3. Slip the desired nozzle into the nozzle socket. Note that the socket is angled up 25° (Fig. 4). Make sure that nozzle is fully seated and does not protrude from housing. Tighten the nozzle retainer/range-adjustment screw.



### Typical Installation



### Full Circle Rotation Speed



Data represent test results in zero wind. Adjust for local conditions. Radius may be reduced up to 25% with adjustment screw (this may alter the uniformity of the spray pattern).

### I-25 Plus Nozzle Performance Data

Nozzle	Pressure PSI	Radius ft.	Flow GPM	Precip in/hr
4	40	40'	3.8	0.46 0.53
	50	41'	4.3	0.49 0.57
	60	42'	4.7	0.51 0.59
	70	43'	5.1	0.53 0.61
5	40	43'	4.4	0.46 0.53
	50	44'	4.8	0.48 0.55
	60	45'	5.3	0.50 0.58
	70	46'	5.6	0.51 0.59
7	40	45'	6.6	0.63 0.72
	50	47'	7.0	0.61 0.70
	60	48'	7.5	0.63 0.72
	70	49'	7.9	0.63 0.73
8	40	47'	7.7	0.67 0.77
	50	49'	8.3	0.67 0.77
	60	50'	9.2	0.71 0.82
	70	51'	9.9	0.73 0.85
10	50	51'	10.1	0.75 0.86
	60	52'	11.1	0.79 0.91
	70	53'	12.1	0.83 0.96
	80	54'	12.9	0.85 0.98
13	50	53'	11.2	0.77 0.89
	60	54'	12.3	0.81 0.94
	70	55'	13.3	0.85 0.98
	80	55'	14.3	0.91 1.05
15	50	56'	13.4	0.82 0.95
	60	57'	14.3	0.85 0.98
	70	57'	15.2	0.90 1.04
	80	58'	16.4	0.94 1.08
18	50	58'	14.5	0.83 0.96
	60	59'	15.7	0.87 1.00
	70	62'	16.9	0.85 0.98
	80	63'	18.2	0.88 1.02
20	60	62'	17.8	0.89 1.03
	70	63'	19.2	0.93 1.08
	80	64'	20.5	0.96 1.11
	90	65'	21.8	0.99 1.15
23	60	64'	21.9	1.03 1.19
	70	65'	23.6	1.08 1.24
	80	66'	25.6	1.13 1.31
	90	67'	27.0	1.16 1.34
25	60	66'	23.5	1.04 1.20
	70	68'	25.5	1.06 1.23
	80	69'	28.0	1.13 1.31
	90	70'	29.5	1.16 1.34
28	70	68'	26.9	1.12 1.29
	80	70'	28.7	1.13 1.30
	90	71'	30.6	1.17 1.35
	100	71'	31.5	1.20 1.39

\* 5 standard nozzles included with each sprinkler.  
**Note:** All precipitation rates calculated for 180 degree operation. For the precipitation rate for a 360 degree sprinkler, divide by 2.

### I-25 Plus High-Speed Nozzle Performance Data

Nozzle	Pressure PSI	Radius ft.	Flow GPM	Precip in/hr
4	40	37'	3.8	0.53 0.62
	50	38'	4.3	0.57 0.66
	60	38'	4.7	0.63 0.72
	70	39'	5.2	0.66 0.76
5	40	38'	4.4	0.59 0.68
	50	39'	4.8	0.61 0.70
	60	40'	5.5	0.66 0.76
	70	41'	6.0	0.69 0.79
7	40	40'	6.1	0.73 0.85
	50	41'	6.9	0.79 0.91
	60	42'	7.5	0.82 0.95
	70	44'	8.1	0.81 0.93
8	40	42'	7.2	0.79 0.91
	50	43'	8.1	0.84 0.97
	60	44'	8.9	0.88 1.02
	70	45'	9.8	0.93 1.08
10	50	46'	10.1	0.92 1.06
	60	48'	11.1	0.93 1.07
	70	49'	12.1	0.97 1.12
	80	50'	12.9	0.99 1.15
13	50	48'	11.2	0.94 1.08
	60	49'	12.3	0.99 1.14
	70	51'	13.3	0.98 1.14
	80	51'	14.3	1.06 1.22
15	50	49'	13.4	1.07 1.24
	60	51'	14.3	1.06 1.22
	70	53'	15.2	1.04 1.20
	80	54'	16.4	1.08 1.25
18	50	50'	14.5	1.12 1.29
	60	53'	15.7	1.08 1.24
	70	55'	16.9	1.08 1.24
	80	57'	18.2	1.08 1.25
20	60	53'	17.8	1.22 1.41
	70	56'	19.2	1.18 1.36
	80	58'	20.5	1.17 1.35
	90	59'	21.8	1.21 1.39
23	60	56'	21.9	1.34 1.55
	70	58'	23.6	1.35 1.56
	80	60'	25.6	1.37 1.58
	90	61'	27.0	1.40 1.61
25	60	58'	23.5	1.34 1.55
	70	62'	25.5	1.28 1.47
	80	64'	28.0	1.32 1.52
	90	66'	29.5	1.30 1.51
28	70	60'	26.9	1.44 1.66
	80	62'	28.7	1.44 1.66
	90	65'	30.6	1.39 1.61
	100	67'	31.5	1.35 1.56

\* 5 standard nozzles included with each sprinkler.  
**Note:** All precipitation rates calculated for 180 degree operation. For the precipitation rate for a 360 degree sprinkler, divide by 2.

### I-31 Plus Nozzle Performance Data - Metric

Nozzle	Pressure Bars	Radius m	Flow l/min	Precip mm/hr
4	2.5	248	11.9	0.82 13.6
	3.0	303	12.2	0.91 15.2
	3.5	352	12.5	0.98 16.4
	4.0	400	12.5	1.05 17.5
	4.5	448	12.8	1.11 18.6
5	2.5	248	12.8	0.95 15.9
	3.0	303	13.1	1.04 17.3
	3.5	352	13.4	1.11 18.5
	4.0	400	13.4	1.17 19.6
	4.5	448	13.7	1.24 20.6
7	2.5	248	13.4	1.44 24.0
	3.0	303	14.0	1.54 25.6
	3.5	352	14.3	1.61 26.9
	4.0	400	14.3	1.68 28.0
	4.5	448	14.6	1.75 29.1
8	2.5	248	14.0	1.65 27.5
	3.0	303	14.3	1.81 30.1
	3.5	352	14.9	1.94 32.3
	4.0	400	15.2	2.05 34.2
	4.5	448	15.2	2.16 36.0
10	3.0	303	15.2	2.15 35.8
	3.5	352	15.5	2.32 38.6
	4.0	400	15.8	2.48 41.3
	4.5	448	16.2	2.63 43.9
	5.0	496	16.2	2.78 46.3
13	3.0	303	15.8	2.38 39.6
	3.5	352	16.2	2.57 42.8
	4.0	400	16.5	2.75 45.7
	4.5	448	16.5	2.91 48.5
	5.0	496	16.8	3.07 51.2
15	3.0	303	16.8	2.86 47.7
	3.5	352	17.1	3.05 50.8
	4.0	400	17.4	3.22 53.7
	4.5	448	17.4	3.38 56.3
	5.0	496	17.4	3.53 58.8
18	3.0	303	17.7	3.31 55.2
	3.5	352	17.7	3.41 55.2
	4.0	400	18.0	3.52 58.7
	4.5	448	18.3	3.72 62.0
	5.0	496	18.9	3.91 65.2
20	4.0	400	18.6	3.97 66.2
	4.5	448	18.9	4.20 70.1
	5.0	496	19.2	4.42 73.7
	5.5	552	19.5	4.66 77.7
	6.0	600	19.8	4.86 81.0
23	4.0	400	19.2	4.88 81.3
	4.5	448	19.5	5.18 86.3
	5.0	496	19.8	5.47 91.1
	5.5	552	20.1	5.78 96.3
	6.0	600	20.1	6.04 100.6
25	4.0	400	19.8	5.23 87.1
	4.5	448	20.1	5.58 93.1
	5.0	496	20.4	5.92 98.7
	5.5	552	21.0	6.29 104.9
	6.0	600	21.0	6.60 110.0
28	4.5	448	20.1	5.93 98.8
	5.0	496	20.7	6.21 103.5
	5.5	552	21.3	6.52 108.6
	6.0	600	21.3	6.77 112.8
	6.5	648	21.6	7.01 116.9

\* 5 standard nozzles included with each sprinkler.  
**Note:** All precipitation rates are calculated for 180-degree operation. For the precipitation rate for a 360-degree sprinkler, divide by 2.

### I-31 Plus High-Speed Nozzle Performance Data - Metric

Nozzle	Pressure Bars	Radius m	Flow l/min	Precip mm/hr
4	2.5	248	11.0	0.81 13.6
	3.0	303	11.3	0.91 15.1
	3.5	352	11.6	0.99 16.4
	4.0	400	11.6	1.06 17.6
	4.5	448	11.6	1.13 18.8
5	2.5	248	11.3	0.93 15.5
	3.0	303	11.6	1.04 17.3
	3.5	352	11.9	1.13 18.9
	4.0	400	12.2	1.22 20.3
	4.5	448	12.2	1.30 21.6
7	2.5	248	11.9	1.32 22.0
	3.0	303	12.2	1.46 24.3
	3.5	352	12.5	1.57 26.2
	4.0	400	12.8	1.68 27.9
	4.5	448	13.1	1.78 29.6
8	2.5	248	12.5	1.54 25.7
	3.0	303	12.8	1.72 28.6
	3.5	352	13.1	1.86 31.0
	4.0	400	13.4	2.00 33.3
	4.5	448	13.4	2.13 35.4
10	3.0	303	13.7	2.15 35.8
	3.5	352	14.0	2.32 38.6
	4.0	400	14.3	2.48 41.3
	4.5	448	14.6	2.63 43.9
	5.0	496	14.9	2.78 46.3
13	3.0	303	14.3	2.38 39.2
	3.5	352	14.6	2.57 42.8
	4.0	400	14.9	2.75 45.7
	4.5	448	15.2	2.91 48.5
	5.0	496	15.5	3.07 51.2
15	3.0	303	14.6	2.86 47.7
	3.5	352	14.9	3.05 50.8
	4.0	400	15.2	3.22 53.7
	4.5	448	15.5	3.39 56.3
	5.0	496	16.2	3.53 58.8
18	3.0	303	14.9	3.08 51.4
	3.5	352	15.2	3.31 55.2
	4.0	400	15.5	3.52 58.7
	4.5	448	16.2	3.72 62.0
	5.0	496	16.8	3.91 65.2
20	4.0	400	16.2	3.97 66.2
	4.5	448	16.5	4.20 70.1
	5.0	496	17.1	4.42 73.7
	5.5	552	17.7	4.66 77.7
	6.0	600	17.7	4.86 81.0
23	4.0	400	17.1	4.88 81.3
	4.5	448	17.4	5.18 86.3
	5.0	496	17.7	5.47 91.1
	5.5	552	18.3	5.78 96.3
	6.0	600	18.3	6.04 100.6
25	4.0	400	17.7	5.23 87.1
	4.5	448	18.3	5.58 93.1
	5.0	496	18.9	5.92 98.7
	5.5	552	19.5	6.29 104.9
	6.0	600	19.8	6.60 110.0
28	4.5	448	18.0	5.93 98.8
	5.0	496	18.3	6.21 103.5
	5.5	552	18.9	