

# SURE THROW™ POP-UP IMPACT SPRINKLER



Ideal for underground installation in landscaping, residential parks and public lawn applications.

## Features and Benefits

- Adjustable to full circle or part circle
- Interchangeable color-coded bayonet nozzles
- Heavy duty plastic closed case with reinforced easy grip ribbed design
- Diffuser screw for fine droplets and throw control
- Double-weighted arm for balance & smooth rotation
- Sand resistant pressure-activated wiper seal
- Excellent distribution uniformity
- Ideal for use in grey water applications



ST-IS45



**K-Rain Manufacturing Corp.**  
1640 Australian Avenue  
Riviera Beach, FL 33404 USA  
561.844.1002  
FAX: 561.842.9493  
**1.800.735.7246 | [www.krain.com](http://www.krain.com)**

## Specifications

- Inlet: 1/2" and 3/4" female threaded inlet, 1/2" female threaded side inlet
- Arc adjustment range: 15° to full 360° adjustable
- Flow range: 2.0 – 5.2 GPM (7,6 – 19,9 L/M)
- Pressure rating: 28 – 57 PSI (2,0 – 3,9 Bars)
- Precipitation rate: 0.28 – 0.56 in/hr (7 – 17 mm/hr)
- Radius: 37' – 42' (11,3 – 12,8 m)
- Nozzle trajectory: 25°
- Recommended spacing: up to 39' (12 m)
- Overall height (popped down): 9.4" (23.9 cm)
- Riser height: 2.6" (6.5 cm)

## Model

- ST-IS45** Sure Throw™ Pop-Up Impact Sprinkler
- ST-IS45** Sure Throw™ Pop-Up -TOOL Impact Sprinkler Tool

## Performance Data

NOZZLE Size/Color	PRESSURE			FLOW RATE			RADIUS		PRECIPITATION			
	PSI	kPa	Bars	GPM	L/M	M <sup>3</sup> /H	Ft.	M.	in/hr		mm/hr	
2.9 ●	28	196	2,0	2.0	7,6	0,46	37	11,3	0.28	0.33	7	8
	36	245	2,5	2.2	8,5	0,51	39	11,8	0.28	0.34	7	9
	43	294	2,9	2.5	9,3	0,56	39	11,9	0.32	0.36	8	9
	50	343	3,4	2.7	10,1	0,60	39	12,0	0.34	0.38	8	10
	57	392	3,9	2.8	10,8	0,65	40	12,3	0.33	0.39	9	10
3.2 ●	28	196	2,0	2.4	9,4	0,57	37	11,4	0.34	0.40	9	10
	36	245	2,5	2.8	10,6	0,64	39	11,9	0.35	0.41	9	10
	43	294	2,9	3.0	11,7	0,70	40	12,3	0.36	0.42	9	11
	50	343	3,4	3.3	12,6	0,76	39	12,0	0.41	0.44	10	11
	57	392	3,9	3.5	13,4	0,81	41	12,6	0.39	0.46	10	12
3.5 ● Standard Nozzle Size	28	196	2,0	2.9	11,3	0,68	38	11,5	0.40	0.47	10	12
	36	245	2,5	3.3	12,7	0,76	39	12,0	0.41	0.48	11	13
	43	294	2,9	3.7	14,1	0,85	41	12,4	0.43	0.50	11	13
	50	343	3,4	3.9	16,1	0,91	42	12,7	0.43	0.51	11	13
	57	392	3,9	4.2	16,3	0,98	42	12,8	0.46	0.55	12	14
4.0 ●	28	196	2,0	3.7	14,4	0,87	38	11,6	0.50	0.58	13	15
	36	245	2,5	4.2	16,0	0,96	39	12,0	0.52	0.61	13	15
	43	294	2,9	4.5	17,4	1,04	41	12,5	0.52	0.61	13	15
	50	343	3,4	4.9	18,8	1,13	42	12,8	0.53	0.63	14	16
	57	392	3,9	5.2	19,9	1,19	42	12,8	0.56	0.67	15	17

\*Precipitation based on half circle operation.

■ Square spacing based on 50% diameter of throw.

▲ Triangular spacing based on 50% diameter of throw.

