

SWING JOINTS

When installed with a Rain Bird® swing joint, Rain Bird Rotors have a five-year warranty!



Standard Model



ACME Outlet



BSP to ACME Adapters

Specifications

- Diameters:** 1" (2,5 cm), 1,25" (3,2 cm) and 1,5" (3,8 cm)
- Lengths:** 12" (30,5 cm) and 18" (45,7 cm)
- Inlet Type:** BSP
- Outlet Thread Type:** ACME
- Pressure Rating:** 21,7 bars to 22,8°C
- Outlet Configuration:** Single-top or triple-top

Benefits of ACME Threads

- ACME threads do not require Teflon tape.
- Independent seal - The threads seal with an o-ring that engages after approximately two complete turns of the rotor. Another four or more complete turns can then be added to allow the installer to level and align the rotor without fear of causing a leak at the threads.
- The wiping action of the o-ring seal makes ACME threads more debris resistant.
- ACME threads have less risk of frost heave damage because the threads allow for movement in freezing conditions.
- The ACME thread is designed to leak before disengaging if it is accidentally unscrewed under pressure. This safety feature warns the operator to turn off the water pressure before continuing.

Product Features

- **Superior Flow Characteristics** - An innovative swept elbow design* reduces pressure loss by 50 percent over other swing joints.
- **Excellent Structural Integrity** - Reduces the costs associated with fatigue-related failures.
- **Double O-ring Protection** - Provides a better seal to ensure that joints are kept clean and can be repositioned easily.
- **Color-coding and Distinct Size Markings** - Reduce costs by eliminating errors and improving installation efficiency with quick size identification at the job site.
- **Oversized Threaded Inlets** - Make hand-tightening and blind installations (underwater) easier. This also reduces the risk of potential damage caused by over-tightening with a wrench.
- **An available triple-top outlet configuration allows for easier adjustments when turf height changes or rotors settle** - Mlt also provides greater flexibility in setting the rotor to the grade.

*Patent pending

How to Specify/Order:

SJ-(X)X-XXX-XX-(X)

Length	Diameter	Option
12 = 12" (30,5 cm)	100 = 1" (White)	E=Extra inlet elbow T=Triple-Top elbow
18 = 18" (45,7 cm)	125 = 1¼" (Light Grey)	
	150 = 1½" (Dark Grey)	

Inlet/Outlet Styles

Inlet	Outlet
2 (BSP)	2 (BSP)
	3 (ACME)

Example: 22 = BSP inlet, BSP outlet



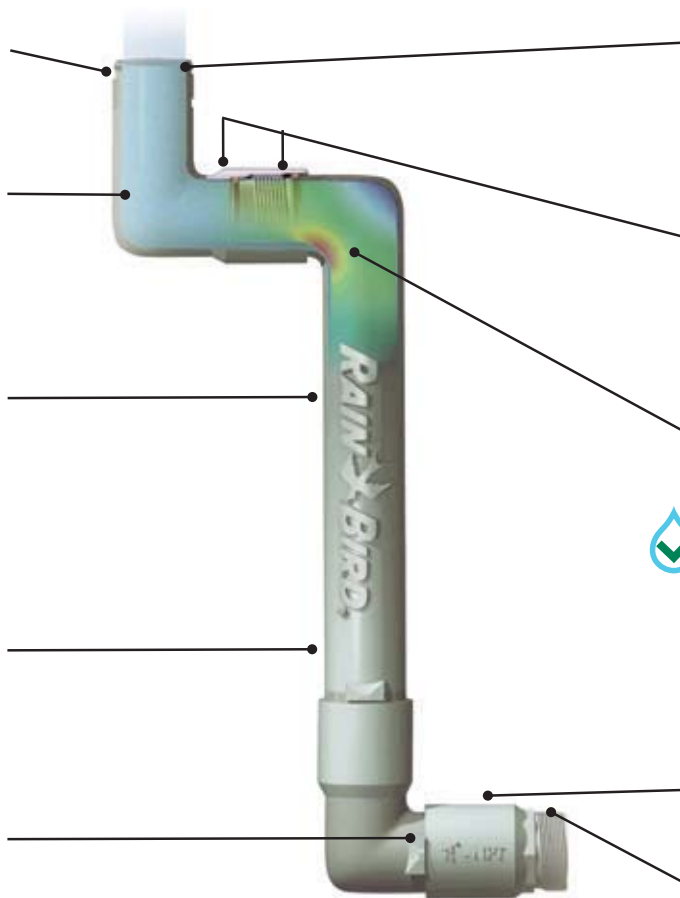
Single-top or triple-top outlets with ACME thread.

Optional enlarging outlets on 1" and 1 1/4" diameter models allow easy connections to larger rotors (no additional adapters required).

Available in 30 cm, (12") and 45 cm (18") lengths and 1", 1 1/4" and 1 1/2" diameters with color-coding for quick size identification.

Thicker wall construction improves structural integrity.

Size and thread types are marked in large lettering on both inlets and outlets for quick identification.



Modified ACME outlet design improves safety by providing visual identification if the system is still under pressure during rotor removal.

Double O-ring protection at each joint ensures joint threads are kept clean and can be repositioned more easily.

Swept corners and an enlarged elbow turn radius enable superior water flow, reducing pressure loss by more than 50% compared to the competition. Rugged construction eliminates fatigue-related failures, while the money-saving optional universal lay arm and enlarging outlets easily meet the flow requirements of larger rotor heads.

Oversized threaded inlets make hand tightening and blind installations (underwater) easier.

BSP inlet.

How to Specify/Order:

	1" Diameter		1" 1/4 Diameter		1" 1/2 Diameter	
30.5 cm	SJ12 100 23	JB000023	SJ12 125 23	JE000023	SJ12 150 23	JH000023
45.7 cm	SJ18 100 23	JC000023	SJ18 125 23	JF000023	SJ18 150 23	JI000023
30.5 cm, Triple top elbow	SJ12 100 23T	JB100023	SJ12 125 23T	JE100023	SJ12 150 23T	JH100023
30.5 cm, extra	SJ12 100 T23	JB010023	SJ12 125 T23	JB010023	SJ12 150 T23	JH010023

RENOVATIONS TIPS

- **Install a new ACME Rotor on an existing BSP/BSP swing joint:**
 - Change the outlet elbow and replace by an ACME outlet elbow
 - Add a BSP to ACME adapters – Just screw it right on top of your BSP swing joint and screw the ACME case to the adapter. The adapter only adds about 5 cm to the installed height of the rotor and is rated to the same operating pressures as the Swing Joints.
- **Install a BSP rotor or quick coupling valve on a swing joint:**
 - 1" BSP/BSP swing joints available
 - Change the outlet elbow and replace by a BSP outlet elbow

Accessories for retrofit

- ACME outlet elbows: 1", 1 1/4", 1 1/2"
- BSP outlet elbows: 1", 1 1/4", 1 1/2"
- BSP female to ACME male adapters: 1" BSP-1" ACME, 1 1/4" BSP-1 1/4" ACME, 1 1/2" BSP-1 1/2" ACME

BSP to ACME adapters	
ADPT 100	21337101
ADPT 100 125	V02626A
ADPT 125	21337102
ADPT 150	21337103