



## ACME threads replace now BSP threads on all Eagle™ Rotors!

ACME threads are the preferred solution in the golf and sport field irrigation market, due to the superiority to BSP in regards to installation and durability. Many Rain Bird customers worldwide prefer and are already using ACME threads in new installations, as well as offering a BSP to ACME adapter in those rotor replacement applications where BSP is already installed.. This decision ensures the optimal solution is used in all rotor applications.

### Benefits of ACME Threads

Here are some specific attributes of ACME threads that make them superior to BSP:

- **ACME threads do not require Teflon tape** when installing rotors or swing joints. This reduces installation time and eliminates the guess work of how much tape to use. It also eliminates the expense of the tape itself.
- **ACME threads provide flexibility because the seal is independent of tightening torque.** 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. In comparison, BSP threads are only sealed when they are fully tightened. This is often subjective and leads to over tightening. If loosening occurs after installation, no matter how slight, leaks can occur.
- The wiping action of the o-ring seal makes **ACME threads more debris resistant.** The thread design also allows for easier installation since it is less susceptible to cross threading than BSP.
- **ACME threads have less risk of frost heave damage** because the threads allow for movement in freezing conditions. This decreases the possibility of thread breaks or leaks, which reduces repair and maintenance costs.
- **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.

### BSP to ACME Adapters

BSP inlet-ACME outlet swing joint configurations are currently available for all new course installations. To ensure that our customers are not adversely affected by this change, 1", 1"¼ and 1"½ BSP and ACME outlet elbows are available for retrofit (where BSP/BSP swing joint are already installed). 1", 1"¼ and 1"½ BSP-to-ACME adapters are also available.



## Rain Bird Swing Joints

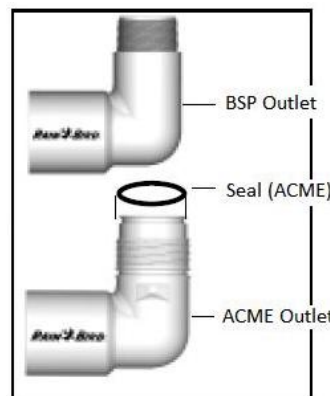
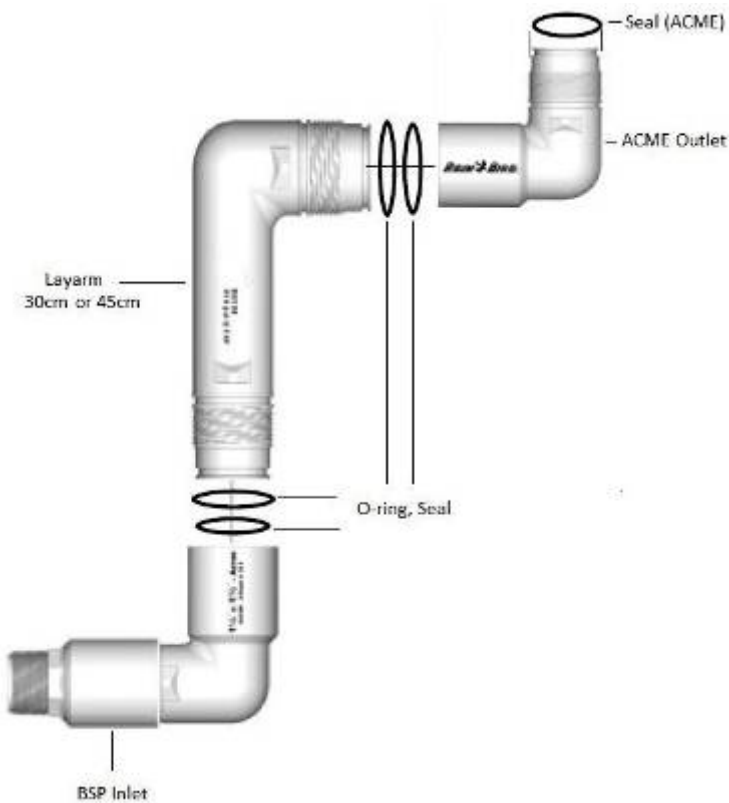
- Full line of 1", 1 ¼", and 1 ½" Swing Joints
- Standard lengths: 30 or 45 cm
- Available with 3, 4 or 5 elbows
- Double O-Ring Design
- BSP Inlet and ACME Outlet (1" BSP/BSP also available)



### Standard Swing Joints

Also available for renovation:

- Outlet elbows in BSP or ACME version
- BSP female inlet to ACME male outlet adapters



### Available Models:

BSP inlet / ACME outlet (for 1", 1 ¼", 1 ½" Golf rotors):

JB000023	SJ-12-100-23	30cm Length, 1" Diameter Swing Joint, BSP / ACME
JC000023	SJ-18-100-23	45cm Length, 1" Diameter Swing Joint, BSP / ACME
JE000023	SJ-12-125-23	30cm Length, 1 ¼" Diameter Swing Joint, BSP / ACME
JF000023	SJ-18-125-23	45cm Length, 1 ¼" Diameter Swing Joint, BSP / ACME
JH000023	SJ-12-150-23	30cm Length, 1 ½" Diameter Swing Joint, BSP / ACME
JI000023	SJ-18-150-23	45cm Length, 1 ½" Diameter Swing Joint, BSP / ACME

BSP inlet / BSP outlet (for 1" Turf rotors or Quick coupling valves):

JB000022	SJ-12-100-22	30 cm Length, 1" Diameter Swing Joint, BSP / BSP
JC000022	SJ-18-100-22	45 cm Length, 1" Diameter Swing Joint, BSP / BSP



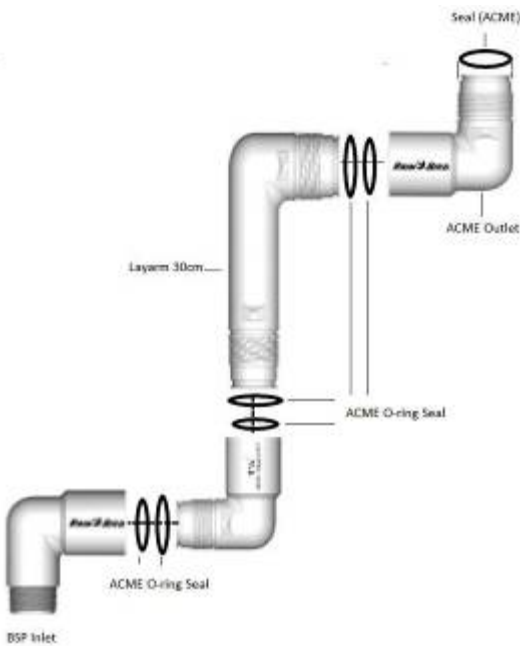
### Triple Top Elbow

BSP inlet-ACME outlet (for Golf rotors):

JB100023	SJ-12-100-23-T	30 cm Length, 1" Diameter Swing Joint
JE100023	SJ-12-125-23-T	Triple Top Elbow, BSP / ACME 30 cm Length, 1 1/4" Diameter Swing Joint
JH100023	SJ-12-150-23-T	Triple Top Elbow, BSP / ACME 30 cm Length, 1 1/2" Diameter Swing Joint

BSP inlet / BSP outlet (for 1" Turf rotors or Quick coupling valves):

JB100022	SJ-12-100-22-T	30 cm Length, 1" Diameter Swing Joint
		Triple Top Elbow BSB / BSP



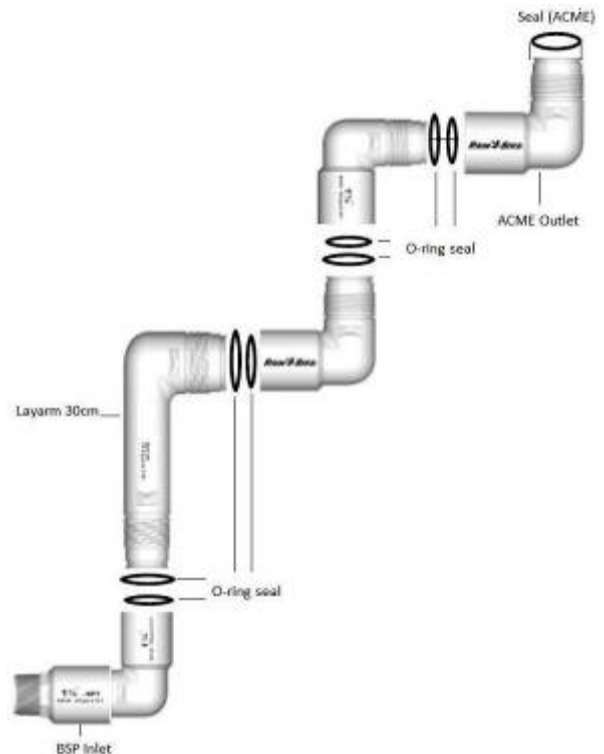
### 5-elbow Swing Joints

BSP inlet-ACME outlet (for Golf Rotors)

JB010023	SJ-12-100-T-23	30 cm Length, 1" Diameter Swing Joint, extra inlet elbow, BSP / ACME
JE010023	SJ-12-125-T-23	30cm Length, 1 1/4" Diameter Swing Joint, extra inlet elbow, BSP / ACME
JH010023	SJ-12-150-T-23	30 cm Length, 1 1/2" Diameter Swing Joint, extra inlet elbow, BSP / ACME

BSP inlet / BSP outlet (for 1" Turf rotors or Quick coupling valves):

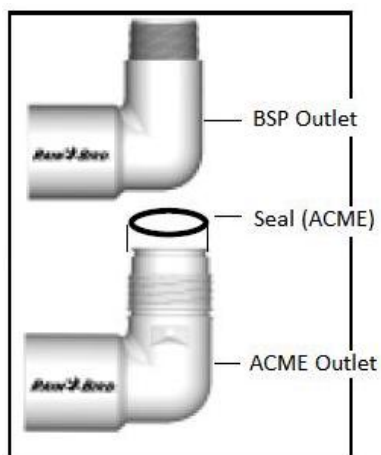
JB200022	SJ-12-100-22-E	30cm Length, 1" Diameter Swing Joint with extra inlet elbow
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## For renovation and replacement

Change the Male BSP thread outlet elbow and replace by a Male ACME thread outlet elbow:



### ACME Outlet Elbow

212008	100ACMEE	1" ACME outlet Elbow
212014	125ACMEE	1"½ ACME outlet Elbow
212020	150ACMEE	1"¼ ACME outlet Elbow

### BSP Outlet Elbow

21187002	100BSPE	1" BSP outlet Elbow
21187802	125BSPE	1"½ BSP outlet Elbow
21186602	150BSPE	1"¼ BSP outlet Elbow

Add an adapter on top of Male BSP outlet – Conversion of Male BSP thread outlet in Male ACME thread outlet.



### BSP Female thread inlet - ACME Male thread outlet Adapters

V02625A	ADPT100	1" BSP fem. inlet / ACME male outlet Adapters
V02627A	ADPT125	1"½ BSP fem. inlet / ACME male outlet Adapters
V02628A	ADPT150	1"¼ BSP fem. inlet / ACME male outlet Adapters

Adapter adds 5cm high to the Swing joint.