

# ***Heavy-Duty Impact Sled***

## ***"Brass Edition"***



Thank you for purchasing the new Heavy-Duty Impact Sled "Brass Edition" from BigSprinkler.com. These sled based sprinklers will provide you with a commercial grade solution for residential sized projects such as irrigating medium sized lawns, gardens, playgrounds, horse riding arenas, and much more!

Your sled comes with our Koala 3/4" Brass Impact Drive Sprinkler made in Italy. The Koala sprinkler is constructed with a heavy brass cast body, brass drive arm and brass lower turning union. Features include adjustable stops for full or part circle coverage, an adjustable jet breaker for changes in stream pattern, and a quick change nozzle setup. All features are supported by a 3/4" male standard pipe thread connection.

The Impact sled also features a Flow-Through Base design allowing multiple sled bases to be connected in series!

We also offer accessories such as 3/4" garden hoses, larger pre-made hose kits with quick connects for easy hook-up and booster pumps that will greatly enhance pressure and performance for your sprinkler sled.

The following manual is a guide for assembly, setup, and operation of your new Big Sprinkler Sled. Please read and follow all instructions carefully.

# Impact Sled Performance



## Specifications:

- **Inlet Size:** Garden Hose Connection
- **Flow Rates:** 3 – 10 GPM
- **Available Nozzles:** 4mm & 5mm
- **Pressure Range:** 25 - 70 PSI

**Heavy Duty**

**Impact Sled Performance Chart**

<b>KOALA (23° Trajectory) 0.75" MNPT</b>				
PSI	<b>Nozzle 4mm (.16")</b>		<b>Nozzle 5mm (.20")</b>	
	GPM	Diameter	GPM	Diameter
22	3.1	65.2	-	-
29	3.5	78.6	5.7	85.2
44	4.4	88.4	7	95
56	5.3	95	8.5	101.6
70	-	-	9.2	107.6

## Accessories



Garden Hose



Hose Kits & Fittings



Booster Pumps

# Sled Instructions

Please read this manual carefully and follow all safety and assembly instructions below to ensure that your cart is assembled correctly and operates properly upon start-up. If you have any questions please call 1-855-805-7901.



## Safety



Safety is the main priority and failure to follow these instructions may cause serious injury. BigSprinkler.com is not responsible for product failure, property damage, or personal injury if these procedures and operation instructions are not followed.

- **Beware of electric power lines**

Irrigation water should never contact electric power lines or any other power source. Never let any part of the sprinkler cart or any irrigation fittings or pipe come in contact with an electric power source.

- **Use caution up close to operating sprinkler heads**

Pressurized water from the sprinkler head could cause serious damage to people or objects. Never allow small children to play close to operating sprinkler heads!

### Step 1



#### Step 1) Unpack contents from box.

- The sprinkler sled comes fully assembled;
- Complete Sled with sprinkler head
- (1) Brass Nozzle - 5mm brass nozzle ( the 4mm is in the sprinkler head)
- Instruction Packet.

### Step 2

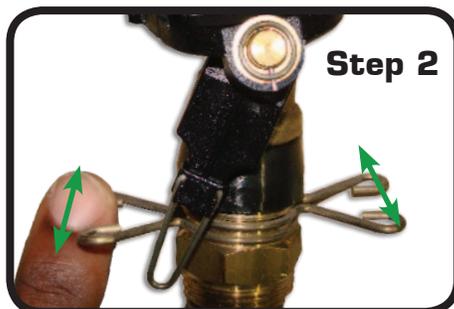
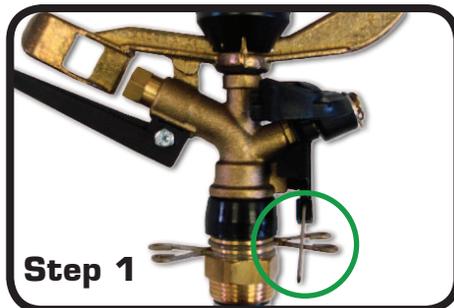
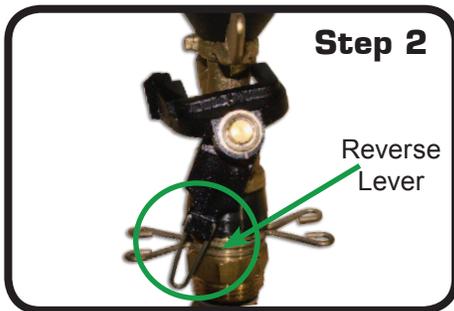
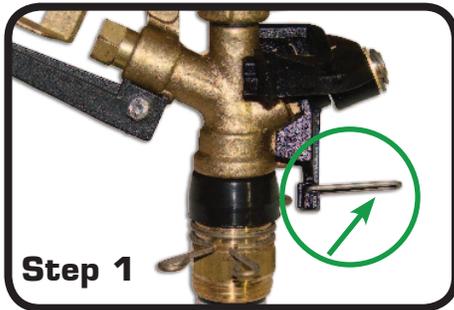


#### Step 2) Position sprinkler sled in area to be watered.

- First, run water through your hose allowing water to flush any debris from your hose that might clog the sprinkler before attaching your hose to the sled.
- Next, attach your garden hose to the brass swivel on your sled.
- Adjust the stops for desired part circle or flip the trip lever up for full circle coverage.
- Turn on the water!
- The sled can be prepositioned by pulling the hose and sliding the sled across the grass.

# Sprinkler Head Settings – Koala

The sprinkler head supplied is a fully adjustable sprinkler that will operate in a full circle pattern or any part of a circle by adjusting the stops at the base of the sprinkler. Refer to the instructions below to set sprinkler head to the desired operating pattern.



## Full Circle Operation – Koala

**Step 1)** For full circle operation, the reverse trip lever on the Koala may be flipped up in an idle position as shown in the left image labeled *STEP 1*. This will allow the reverse trip lever to miss the adjustable sprinkler stops allowing the sprinkler head to operate in a full circle mode.

### Step 2) IMPORTANT: REVERSE VS. FORWARD MODE

If you set the sprinkler head for full circle operation, the reverse lever will either stay to the right or left for reverse or forward mode. Typically when using the sprinkler in full circle operation, you will want the sprinkler to be set in forward mode or a clockwise operating direction. For this to occur, you want the reverse lever at the back of the sprinkler to be over to the left as shown. If the lever is set to the right, the sprinkler will be in reverse mode. In reverse mode, the sprinkler will operate rapidly in a counterclockwise direction and your distance of throw will be less than it will in forward mode.

## Part Circle Operation – Koala

**Step 1)** For part circle operation, the reverse trip lever on the Koala may be flipped down in an engaged position as shown in the left image labeled *STEP 1*. This will allow the reverse trip lever to engage the adjustable sprinkler stops allowing the sprinkler head to operate in a part circle mode.

**Step 2)** The adjustable stop clips may be moved around to any position on the sprinkler base to facilitate part circle operation. One stop clip will be the right side stop for the reverse trip lever to engage and the other stop clip will be the left side stop for the reverse trip lever to engage. The sprinkler will then operate back and forth between the stop clips in the desired pattern set by the adjustable stop clips.

**Step 3)** Nozzles Supplied: Your sprinkler head is supplied with a set of nozzles that are interchangeable to meet your water source's capability. It is shipped with the smallest nozzle installed. If your water system operates the small nozzle adequately then, you may move up to a larger nozzle size for increased performance. The nozzle sizes listed on your supplied performance charts have gallons per minute output that tally at various pressures and wetted patterns that correspond. This may be a trial and error exercise to determine which nozzle size gives you the best desired performance when matched to your water source's capability. You may feel more comfortable consulting your servicing well dealer for help with your system's capability if desired performance is not being met.

It may also be necessary to purchase a booster pump from our pump section of [bigsprinkler.com](http://bigsprinkler.com) if pressure boosting is needed. Please contact us at 855-805-7901 with any questions regarding your BigSprinkler products.

# Warranty

## LIMITED WARRANTY AND REMEDY:

### WARRANTY

BigSprinkler.com warrants to the original purchaser only of the products described in the face hereof as of the date of the original invoice, that the product is merchantable and free from defects in material and workmanship.

Warranty shall be provided by the original manufacturer of products sold on BigSprinkler.com for the length of time specified by the manufacturer of the given product.

Sprinkler stands - 1 year

Sprinkler heads - 1 year

### REMEDY

If BigSprinkler.com determines that the above warranty was breached with respect to any part or component provided by the manufacturer of the product (and if all conditions set forth below have been satisfied) then, BigSprinkler.com will (at BigSprinkler.com's option) provide purchaser a refund of the purchase price less the freight costs to or from the customer, or provide a replacement product of the same kind.

All remedies provided herein are for goods only, no labor or freight allowance for return goods is implied.

This warranty extends only to the original purchaser of products purchased from BigSprinkler.com.

### CONDITIONS TO ENFORCEABILITY AND CLAIMS:

1. Product has been maintained and operated within the guidelines outlined in the manufacturer's product guide and maintenance manual.
2. Product warranty shall be considered void if any component or function of the equipment has been altered in any form other than what has been provided or intended by the original product manufacturer.
3. Any return must be submitted on form provided by BigSprinkler.com in writing immediately and in no event longer than 20 days from occurrence. You can reach our sales department through the "contact us" form on our website should such an event occur.
4. Purchaser must return all goods within 30 days of BigSprinkler.com's authorization date, that have been determined by BigSprinkler.com to be defective to the Purchaser with Purchaser being responsible for freight.

### LIMITATIONS:

BigSprinkler.com or it's affiliates shall not be liable for any incidental or consequential damages (including but not limited to, damages for injury to the person, property or lost turf, crops or profits) by reason of any defect in the products sold or its manufacture, design, or function.