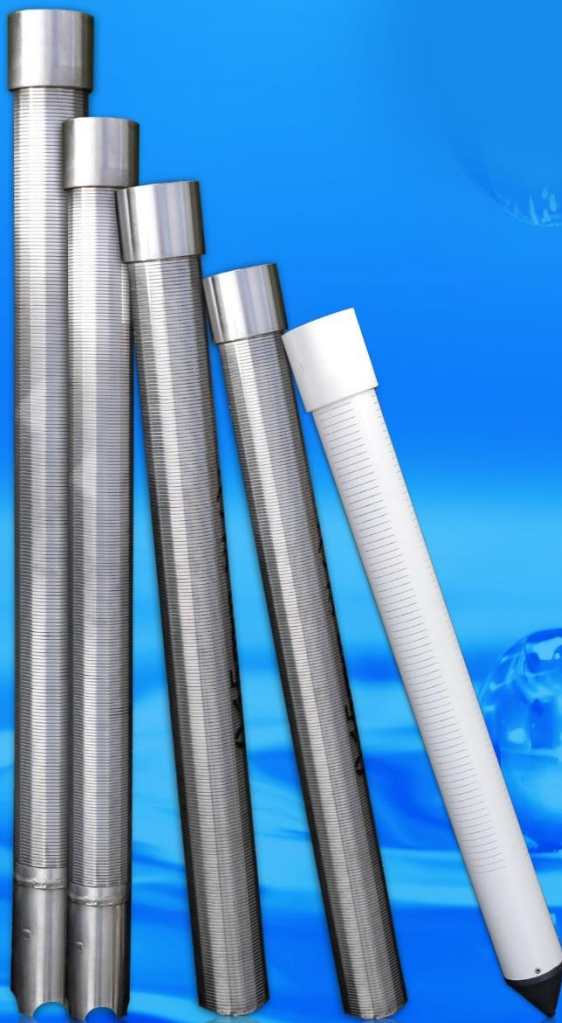
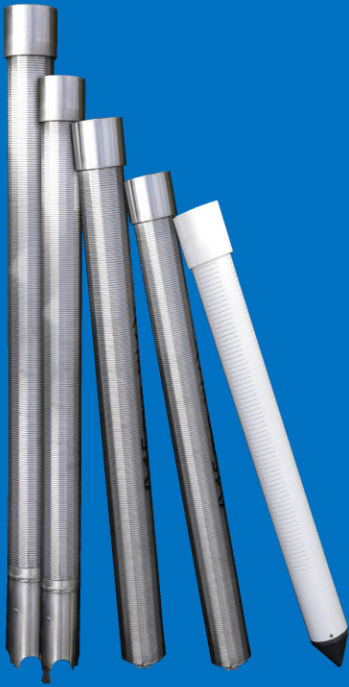


SAND SPEARS

QUICK INSTALLATION OVERVIEW GUIDE





**For All Your
Questions and
Answers, regarding
Sand Spears
Sand Spear
Installation
Pumping
Developing**

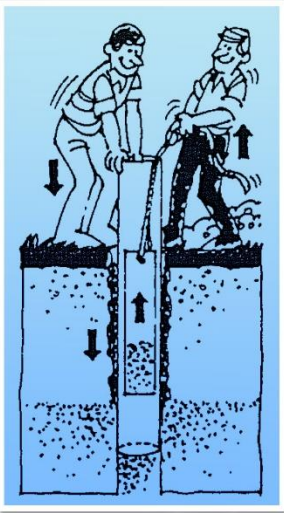


BAIL INSTALLATION PROCEDURES



1. Auger a hole to water table - this label will be obvious as the terrain will become sloppy and the sides of the hole collapse.

2. Insert the stabiliser pipe and while pushing this in through the slurry, bail from the inside until the pipe is to a depth that will allow the top of the spear to be ideally 8'-10' below the water table.



3. Insert the spear and riser pipe ensuring all joints are sealed - (airtight).

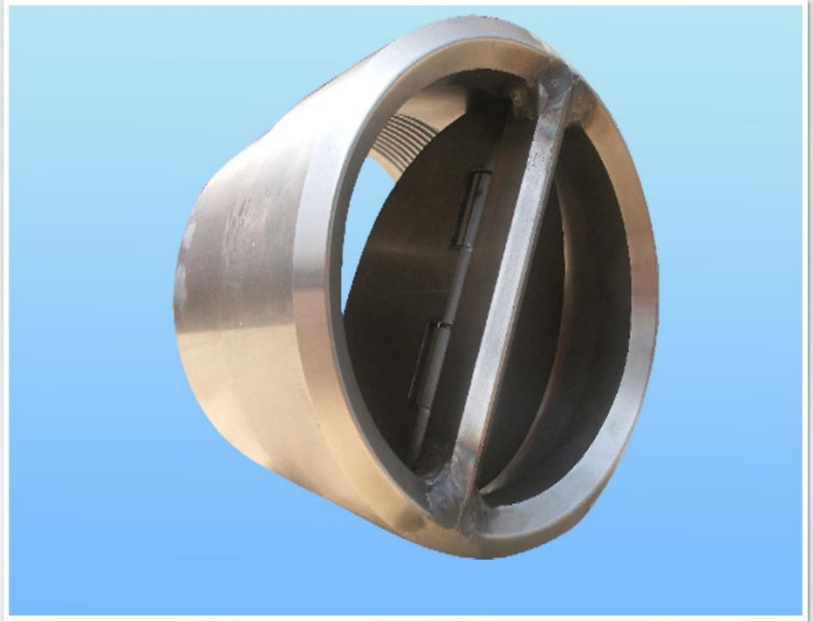
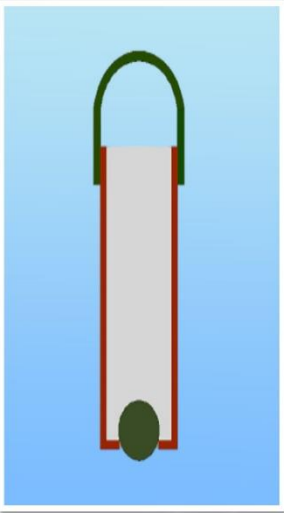
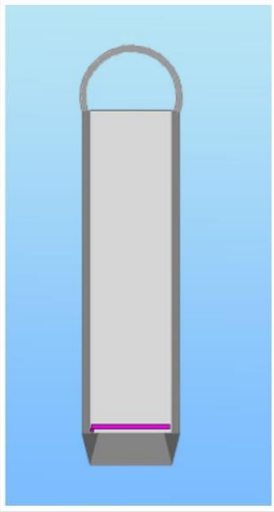
4. Pour graded gravel, if this is available, around the screen and riser pipe to approximately 1' above water table at the same time as pulling or jacking back the casing to expose the full length of screen.



5. Cut off surplus casing and cover open top of casing. Ensure sanitary seal.

6. Connect pump to riser pipe.

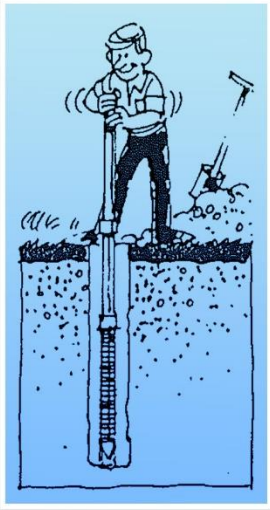
BAIL INSTALLATION TOOLS



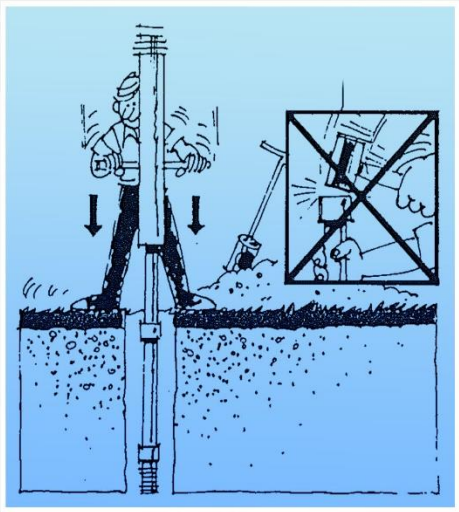
Diferent Types of bailing tools, some of these are professional, the diagrams to the left are tools that you could manufacture or talk to us about purchasing from us.



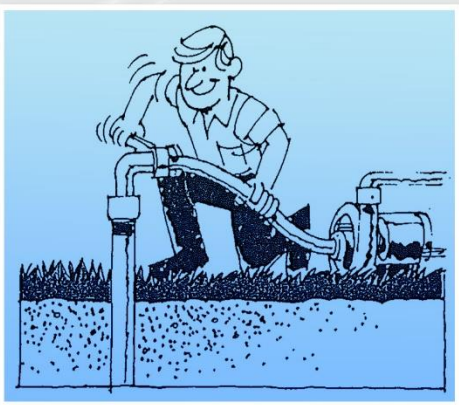
DRIVE INSTALLATION PROCEDURES



1. Spear can be driven from the surface but it is recommended to auger a hole to the water table.
2. Assemble spear and riser pipes(making sure all joints are airtight)and add drive head.



3. place assembly in hole.tertable.
4. Drive spear adding additional pipes where necessary until the top of the spear is ideally 8'-10' below water label.

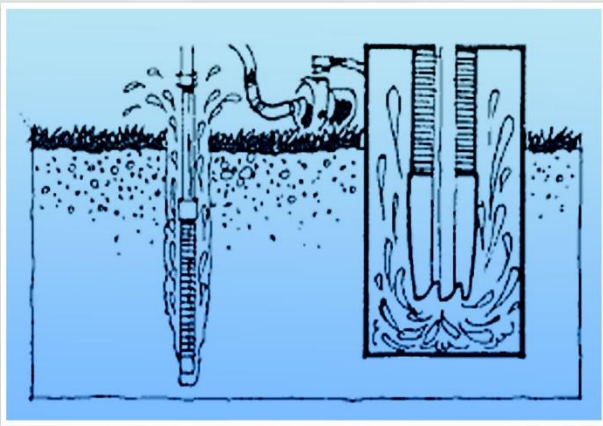


5. Remove drive head and connect pump.

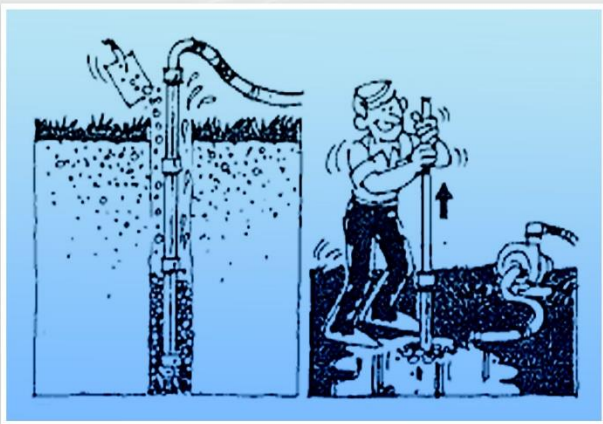
JETTING INSTALLATION PROCEDURES



1. Jetting spear can be jetted (washed) from the surface but it is recommended to auger to the water table.
2. Insert 1" PVC Jetting tube inside spear and riser pipe. Connect jetting pump.
3. Insert spear into augered hole and jet to a level so that the top of the spear ideally 8' to 10' below the water table.



4. Lift jetting tube slightly from bottom of spear causing the flow from both internal and external areas of pipe and add graded gravel around the pipe. This gravel will fall through annulus between the pipe and ground filling the area around the spear, should it block up at any stage reinsert jetting tube to point causing flow to come fully up the upside of the pipe. This will break any blockage of gravel and cause it to fall correctly around the spear. Only sufficient gravel should be added to fill the area about 1' above the spear.



5. Remove jetting tube, the plastic ball valve will automatically provide a tight seal assuring maximum pumping efficiency.
6. Connect pump to riser pipe.

**BUT
REMEMBER...**



When purchasing or Install your Sand Spear...



- ✓ Suit to purpose
- ✓ Decide on drilling method
- ✓ Screen to match Gravel
- ✓ Check on Council regulations
- ✓ Choice the best position
- ✓ Do your homework first

And try to avoid...

- ✗ Mud
- ✗ Soil
- ✗ Driving of PVC Screens
- ✗ Deeper than 3M
- ✗ Air leaks
- ✗ Screen above the Aquifer



Thank You

Thank you for taking the time to look at the information we have created for you.

We hope this will be of assistance and a benefit to you with the installation of your sand spear system

If you have any more questions
Please feel free to contact us



We

Deliver Sand Spear Solutions

“At Your Service”

Visit our website at sandspears.com.au

or call us at 0438 746 894

Info@sandspears.com.au



Components and Accessories



Installation

Kits

Screwed

Casing

Sand Ventures

Non return
valves

Surface casing

Rising main

PVC Fittings

Poly Fittings

Hand Pumps

Caps

Casing

Wash Down Valves

Spear Points

Pumps

Wedge Wire

PVC Pipe

Wire Mesh Screens

Bore Developing

Tools



Sand Spears

**Solving your Sandspear, Installation and
Pumping Challenges
with Trust and Integrity**

