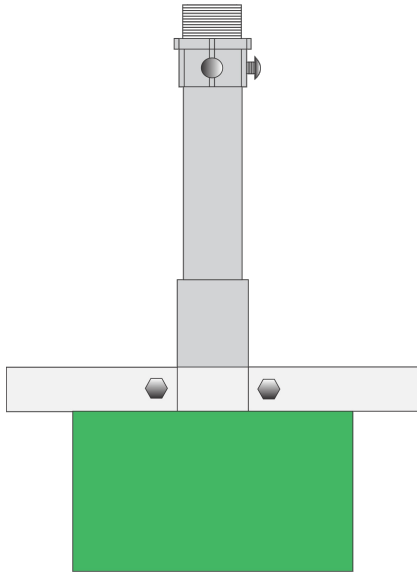


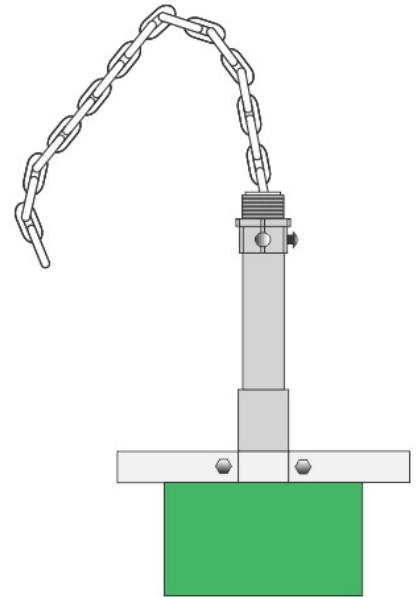
# SAAV in 27 mm ID Conduit Quick Start Guide

These quick start instructions provide a summary of the steps required to properly install an SAAV in 27 mm ID PVC conduit. Comprehensive installation instructions are available in the SAAV Manual: <http://saav.measurand.com/home>

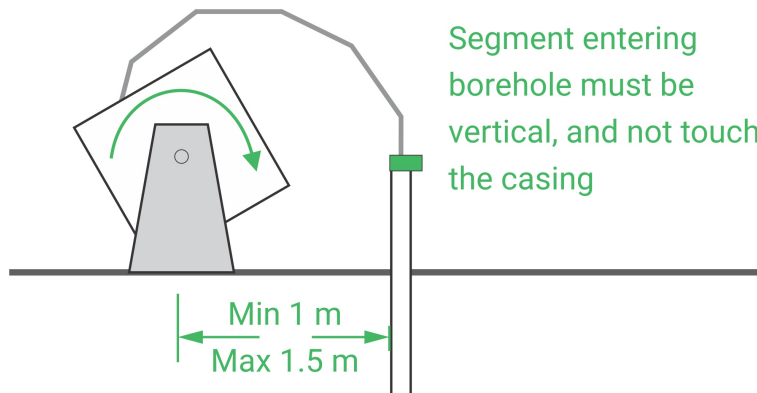


1. Assemble 27 mm ID conduit and hang it in borehole using the hanging fixture included with the SAA Install Kit. The PVC should **NOT** rest on the bottom of the borehole.

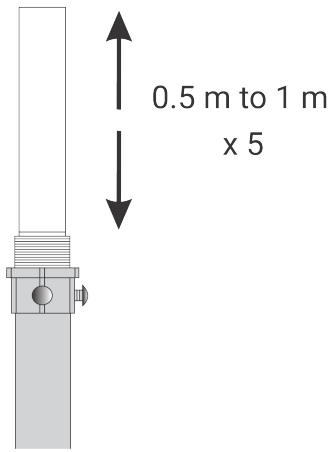
2. Care must be taken to avoid situation in conduit! Insert chain into the conduit to counteract buoyancy during grouting. For every 1 m (3') of PVC conduit, 1.5 m (5') of chain will be required. Grout the borehole.



**WARNING: DO NOT use water to weigh down the conduit!**

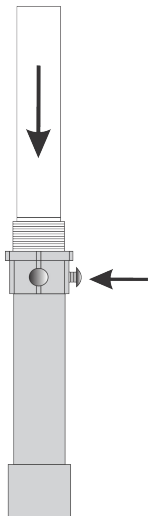
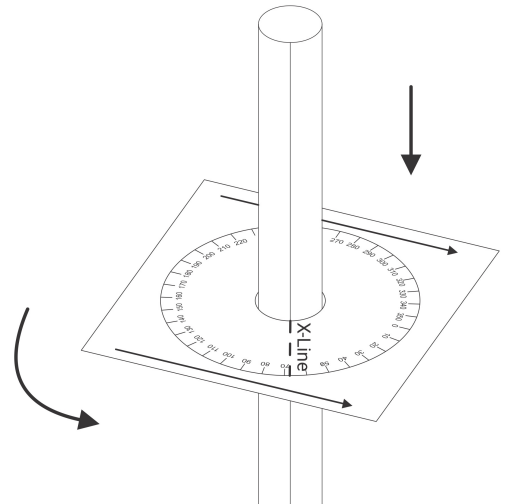


3. Place the reel stand near the borehole and lower the SAAV into the casing.



4. Use the **SAAV Installation Verification** tool from the **Diagnostics** menu in **SAAREcorder**. Lift the SAAV until it is hanging in the casing with one segment on the bottom. The angle reported by the tool will be around 1°. The tilts of the segments above the last segment should be close to 0°. Drop the SAAV straight into the casing. Apply approximately 5 lbs of downward pressure to compress it. Record the value for **Compression** reported in the tool and collect sample data. Repeat lifting and dropping until three sequential readings of **Compression** do not change by more than 1 mm (approximately 5 to 7 repetitions).

5. Measure and record the azimuth offset with the X-mark Protractor. Place the square portion of the protractor around the PEX and orient it towards the expected direction of movement. Place the clear disk on top of the square protractor and align the X-line with the X-mark on the PEX to get a reading in degrees.



6. Compress the SAAV and tighten the set screws. Cut away excess PEX tubing and thread the top portion of the top stack onto the cabling and screw it to the bottom portion. Tighten the cable gland on the top stack to prevent moisture from entering the PVC assembly.

More detailed information about SAAV and other Measurand products is available in our Support portal knowledge base and online manuals at the following URLs:

<https://support.measurand.com>

<http://manuals.measurand.com>