

Pipe Insertion in TITANTube® Fill Ports

TITANTubes® are manufactured in a wide range of circumferences and lengths ranging from those which fit into a roll-off dumpsters to 90' circumference or larger. Depending on their length, each TITANTube® is configured with 1 or more shirt-sleeve type fill ports made of the same high strength woven fabric as the TITANTube®. These fill ports are reinforced at the tube-port sleeve connection to resist the stress due to pumping the TITANTube®.

Standard Fill Port dimensions

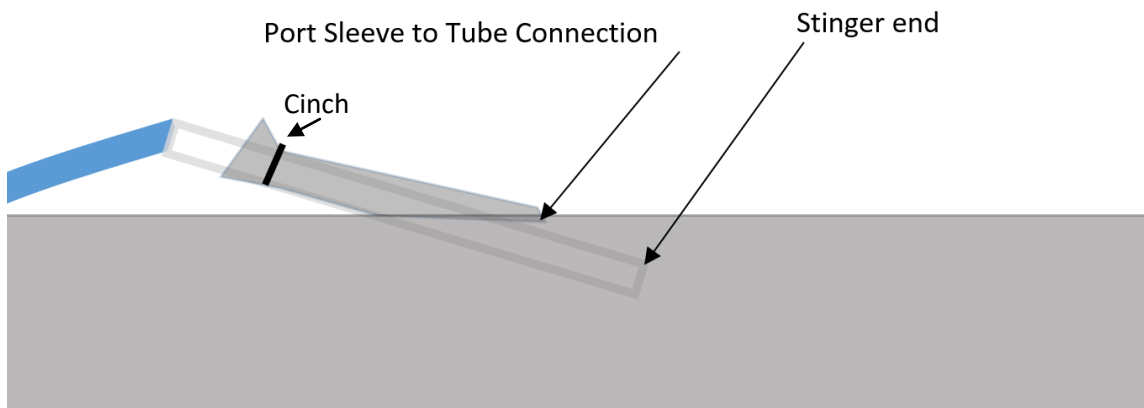
Standard TITANTube® fill ports are designed to handle 6" – 8" pipes. They can handle smaller pipes, but not larger. The diameter at the base is approximately 12". The additional opening is needed to facilitate the correct positioning of the pipe through the fill port sleeve. These ports are 40" long, which provides plenty of room for the operator to secure the port sleeve around the port. Custom fill port sizes are available upon request.

Tapered Fill Ports

On the 20 cy and 30 cy dumpster size tubes, the TITANTube® fill ports are tapered from the 12" down to approximately 4" diameter to accommodate smaller pipes from 2" – 4" diameter. If desired, the tapered end can be cut to accommodate a larger pipe. The tapered ports are 40" long, the same length as a standard port.

Pipe Insertion

TITANTube® fill ports require no special hardware, only a 6 foot to 8 foot section of rigid, straight pipe. Be careful to cover the fittings, clamp or any sharp points with the sacrificial layer of fabric wrapping the tube during shipping. This is to protect the tube from abrasion. The orientation and location of this pipe through the port sleeve and into the tube is critical. Since the slurry will initially behave as a liquid, the stinger must always be oriented in the length direction of the tube. This is to avoid pushing the tube to one side or the other which would make it tend to roll. Also of great importance is to make sure that the end of the stinger is well within the tube not in the port sleeve. It is not a safe practice to leave the end of the stinger inside the port sleeve. Once the stinger is in position, a rope, clamp or other device secures the port sleeve around the pipe. Figure 1 illustrates the detail of a typical stinger installed in a port.



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