

MECHANICAL TEES & FULL CASTING SPRINKLER TEES

GENERAL INFO - BEFORE YOU START

- Installers should be trained or experienced to install and understand the product.
- Read and understand all technical datasheets and installation instructions before attempting to install, remove or adjust any Profit piping products.
- Depressurize and drain the sprinkler installation system before attempting to install, remove or adjust any Profit piping products.
- Never work on piping-systems that are pressurized and /or filled with water.
- Use the necessary Personal Protection Equipment (PPE) to avoid personal injury (helmet, safety shoes, goggles, Profit gloves).
- Use appropriate tooling:
 - Profit groove meter and/or center punch tool
 - Impact-wrench and torque-wrench
 - Correct socket size and depth:



Bolt size	Recommended torque	Socket
	Nm	mm
M8 (1/4)	25-30	13
M10 (3/8)	44-54	15
M12 (1/2)	90-100	18
M14 (9/16)	135-150	21
M16 (5/8)	200-230	24
M20 (3/4)	270-300	30

Failure to follow these instructions could result in death or serious injury and property damage.

We advise to always store our products in closed and dry environments, the products do not need any specific maintenance once installed on an aboveground sprinkler installation.

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INSTALLATION INSTRUCTIONS

1

Check the appropriate holecut dimension and select the correct hole saw (see datasheet on our website). Make sure that the welded seam of the pipe is located at the bottom.



2

After drilling the hole, clean off the burrs from the drilled hole, both inside and outside the borehole.



3

Remove the irregularities and the remains with a flexible magnet.



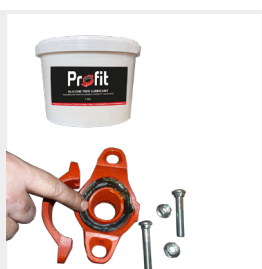
4

Unscrew the nuts out of the preassembled tee to fully disassemble the tee.



5

Lubricate the gasket with a neutral lubricant.



6

Position the upper housing over the drilled hole. Make sure the housing is positioned correctly.



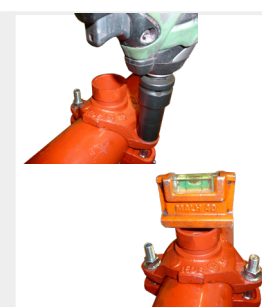
7

Place the bottom part of the housing around the pipe. Screw the first nut hand tight, and then the second.



8

Tighten both nuts alternately with an impact wrench (with the appropriate cap) until they are firmly attached. You can then tighten the bolts to the specified torque using a torque wrench. Check that the installed mechanical tee is level.



NOTE: For proper sealing, torque standards must be respected. A torque too big cannot improve the sealing property of the coupling, on the contrary, it will damage the bolts and housing, even cause disconnections. A torque too small will lead to leakage. Both disconnections and leakage may cause injuries or impairments to the installation.