

## 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:



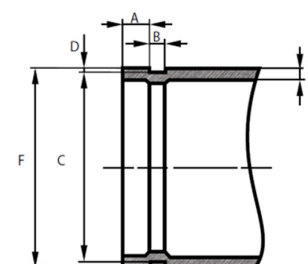
Bolt size	Socket wrench	Recommended Torque (Nm)
M10	15	44-54
M12	18	90-100
M16	24	200-230
M20 - 22	30	270-300

**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.**

- Installation is intended for grooved pipe systems according to AWWA C606-06.  
We refer to the table below for Rolled groove dimensions:

Nominal pipe size	Outside diameter			Gasket seat A	Groove width B	Groove diameter C		Groove depth* D	Maximum outspread F	
	NPS (DN)	Size mm	+ mm	- mm	Tolerance +0,4 / -0,8 mm	Tolerance +0,8 / -0,4 mm	Size	Tolerance mm	mm	
1¼	32	42,4	0,50	0,60	15,9	7,1	39,0	+0/-0,4	1,6	43,3
1½	40	48,3	0,44	0,52	15,9	7,1	45,1	+0/-0,4	1,6	49,4
2	50	60,3	0,61	0,61	15,9	8,7	57,2	+0/-0,4	1,6	62,2
2½	65	76,1	0,76	0,76	15,9	8,7	72,3	+0/-0,4	2,0	77,7
3	80	88,9	0,89	0,79	15,9	8,7	84,9	+0/-0,4	2,0	90,6
4	100	114,3	1,14	0,79	15,9	8,7	110,1	+0/-0,5	2,2	116,2
6	150	168,3	1,60	0,79	15,9	8,7	164,0	+0/-0,6	2,2	170,7
8	200	219,1	1,60	0,79	19,1	11,9	214,4	+0/-0,6	2,4	221,5



## INSTALLATION INSTRUCTIONS

1

Check the end of the pipe, after grooving, to make sure that there are no bumps, holes or loose coating particles. Remove these first, in order to prevent leaks. Always check the rubber gasket to ensure that it is suitable for the intended service.



2

The outer diameter of the pipe and the groove diameter must match the specifications provided by Profit; please review the page with groove specifications (see page 1 of this instruction).

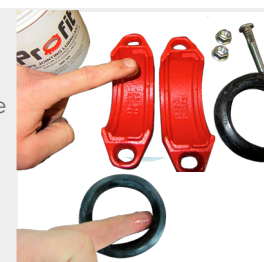
3

Unscrew one bolt of the pre-assembled coupling.



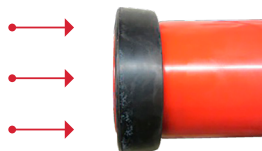
4

Apply PROFIT lubricant onto the sealing lips of the gasket. Also apply lubricant to the interior side of the housings.



5

Slide the gasket over the end of the pipe and make sure that it covers the end completely.



6

Bring the two pipe ends together without misalignments and pull the gasket over the end of the pipe. Make sure that the gasket is in the middle and that it covers both pipe ends.



7

Place one coupling housing around the gasket and "swing-over" the other housing. Once placed over the gasket, you will notice that the housings fit in the groove.

8

Install now the remaining bolt through the housing. Make sure that the head of the bolt perfectly fits in the housing. Turn the nut finger-tight.

9

Now tighten the 2 nuts evenly alternating, using an impact wrench with suitable socket wrench until the coupling is completely closed. Ensure that the bolt parts make metal-to-metal contact. For proper sealing, bolt-torque standards must be respected (see table). A torque too big cannot improve the sealing property of the coupling; on the contrary it may damage the bolts and/or the housing and can even cause disconnection of the pipes. A torque too small will lead to leakage.