waterfit

CI/DI Training Guide

Required components

waterfit



Multifit Strap
3-4” CI/DI, 5-6” CI/DI



Torque Wrench
with 13mm hex socket



Ferrule Key
8mm sqaure



18v Drill

Pre-installation preparation

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Drill settings and checks



Battery should be fully charged



On full speed or max RPM setting



Set to drill mode



Set to a clockwise direction



We have tested the following drills:

- DeWalt DCD996P1
- Makita DHP484RTJ
- Milwaukee M18 BLPD2

Pre-installation preparation

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Drilling kit

1. Check the condition of the drill bits

2. Check the o-ring and seals on the drill shaft are present

3. Check for signs of damage or wear



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Drilling kit







Pre-installation checks

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Ferrule strap

1. Ensure the pipe is clean
2. Check the ball valve opens and closes prior to install
3. Hand tighten the strap bolt to take out the slack
4. Ensure the strap is fixed tight to the pipe
5. The strap bolt should not bottom out
6. Remove the plug fitted inside the stem
7. Ensure the flushing banjo is fitted
8. Guide marks on the drill bit should not be visible

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Ferrule strap



6



7



8

During installation

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Apply full body weight
to the top of the drill



Pinch handle and battery
of drill between legs and brace



Before breaking through, ease off body
weight to reduce risk of the drill bit snagging

During installation

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Cast iron

It can take
30-40 seconds
to break through



Ductile iron

It can take
10-20 seconds
to break through

If you don't break through,
don't burn out the drill

Post installation checks

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Ferrule strap



1. Make sure to fully retract the drill through the stem

- Both check marks on drill **should** be visible
- This ensures that the drill has clearance over the ball valve



2. Check that the washer is present in the endcap to ensure a positive seal



3. Ensure the plug is replaced inside the stem and retracted to create a seal

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Ferrule strap







Warning! - Make sure you don't:

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- X Remove the rolled bolt from the strap
- X Drill through the ball valve
- X Operate the ball valve when the drill bit is engaged
- X Drill in reverse
- X Drill in hammer mode
- X Drill with a blunt or damaged drill bit
- X Drill in slow or medium speed
- X Attempt to tighten the pushfit connection
- X Point the flushing banjo towards yourself
- X Stop tightening the bolt if you hear a squeak