

Installation Best Practice Guide

Pipe cutting

Scorp 220 cutter

- The ultimate and fast solution for cutting of cast iron 50-200mm
- Easy, secure and effortless cutting during use on construction sites
- Wide range of applications and dimensions
- No rework necessary – accurate cutting
- Suitable for clamping joints
- Reduction of tool costs
- Reduction in sparks – may not require hot works permit



Alternatively, use a chop saw



Demonstrating accuracy of cut.

Coupling and assembly

Hand-held cordless impact driver

Saint-Gobain PAM UK has conducted a number of field trials on handheld cordless drills, with experienced installers of cast iron drainage systems. The purpose was to identify tools which reduce the time taken to install cast iron mechanical couplings, but are also practical and easy to use in site conditions where space can be limited.

Field trials – research findings

- Using a cordless drill reduced the time taken to assemble a ductile iron coupling by up to 50%
- Plumbing installers found time savings significantly increased on larger diameter couplings which incorporate four fixing bolts (150-300mm)
- Experienced plumbing installers who trialled the hand-held drills reported significant savings in time, and improved productivity on site





A number of cordless drills were trialled on many sites. The best all round performer being:

Cordless impact wrench Bosch GD14.4v (shown)

- High torque and high impact force ensure optimum performance
- New battery technology extends the service life of the batteries by 50%
- ½ hour charger (standard equipment) enables fastest recharging
- High level of comfort
- Compact and ergonomic shape
- Very good power/weight ratio ensures fatigue-free working
- Gear housing made of metal form maximum precision and long service life
- Safe working without recoil
- Three-fold adjustable light ensures optimum visibility, even in dark areas

NOTE: These devices are not manufactured or supplied by Saint-Gobain PAM UK but are available via reputable dealers.

Ratchet spanner

½" Samare drive EF100 – Sap code 191201



Check alignment of assembly before tightening the bolts. Coupling bolts on all sizes are M8 and require special Allen socket adaptor (6mm) EF102, together with a ratchet spanner EF100. Alternatively use a time saving power tool.

Note: Bolts should be tightened until a suitable resistance is achieved if using a torque wrench minimum setting 20Nm.

The couplings do not need to be completely tightened until both halves are touching. Guidelines: 2-3mm gap.

Cricket pipe carrier

To assist on site with transporting larger diameter pipes and fittings there is the Cricket pipe carrier:

- Transport 20ft (6.1m) pipe lengths up to 1,000lb (450kg)
- Comes with ratchet hold-down strap and 16" tubed tyres
- Weighs only 80lb (36.0kg)
- Quick handle disconnect for compact storage



Easy use:

Step 1. Use ratchet hold-down strap to secure Cricket to pipe.

Step 2. Use handle to flip Cricket and pipe.

Step 3. Reposition handle. Great for carrying flanges, fittings and valves.