

## Quick Guide – Jointing Osma UltraRib

Unlike traditional methods for jointing PVC-U systems, the UltraRib method is unique and innovative, since the ring seal is positioned over the pipe spigot rather than being retained within a pipe or fitting socket (See Figure 12).

The major advantages of the UltraRib jointing method are:

- ⦿ There is no need to chamfer pipe ends
- ⦿ The ring seal cannot be displaced during jointing
- ⦿ The design of the joint ensures a flush fit between the internal bore of the pipe and the fitting thus increasing its hydraulic performance

### Preparation

Ensure that the two ribs that retain the sealing ring are sound.

### Cutting

Pipe must be cut midway between the ribs. The design of the ribs allows the pipe to be cut square using a coarse toothed saw (See Figure 11).

### Jointing sequence

1. Clean pipe spigots and sockets. All dust, dirt and grit which could prevent an effective seal must be removed from pipe ends and sockets.
2. The correct position for the sealing ring is indicated in Figure 12, ie between the second and third ribs from the pipe end. Ensure the ring seal is correctly seated and not twisted.
3. Lubricant should be applied to the whole of the inside of the socket (See Figure 13).
4. To make the joint, offer up the pipe to the socket, align pipe and push home. Alignment is important to facilitate jointing.

The force required to push the pipe home will vary according to pipe size and ambient temperature. Whatever method is used to apply the necessary force, care must be taken to ensure that there is no risk of damaging the pipe ends. The most convenient method is to use a lever ensuring the pipe end is protected (See Figure 14).

A good technique is to lift the pipe up by passing a rope underneath (See Figure 15). This makes it easier to align the spigot into the socket. Mechanical pulling or pushing methods are unnecessary.

Figure 11: Correct cutting position

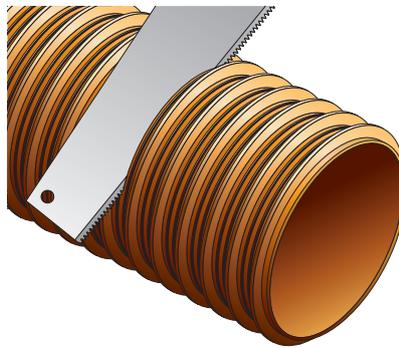


Figure 12: UltraRib Sealing Ring

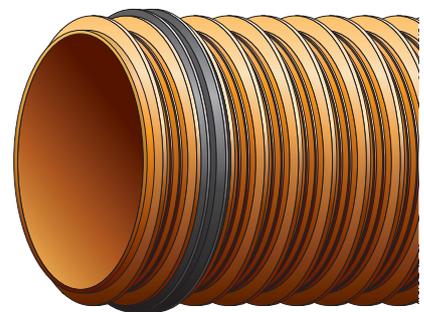


Figure 13: Applying the lubricant

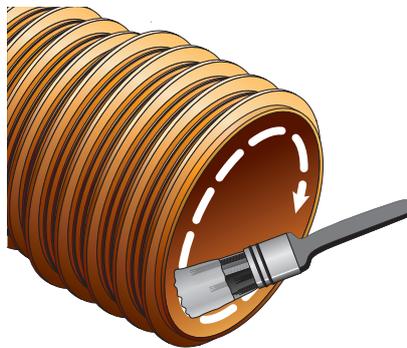


Figure 14: Protecting the pipe end

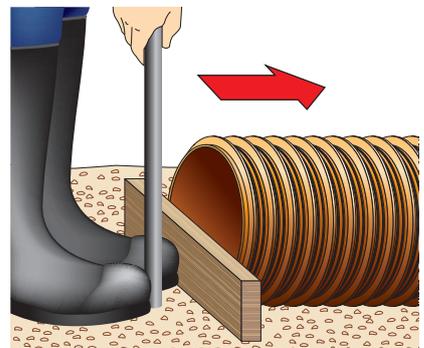


Figure 15: Aligning spigot into socket

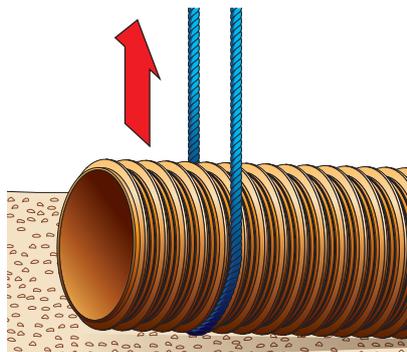


Figure 16: Section through pipe joint

