

# Junctions

**Junctions** are used to join together two or more **Connections**. Typically they mark a change in the connection type, slope, pipe diameter, open channel cross-section or direction or may represent a physical structure such as a manhole chamber.

Manhole

Name

Dimensions	Inlets	Outlets
Junction Type <input type="text" value="Manhole"/>	<input type="radio"/> Cover Level (m) <input type="text" value="100.00"/>	
Easting (m) <input type="text" value="6.166"/>	<input checked="" type="radio"/> Depth (m) <input type="text" value="2.00"/>	
Northing (m) <input type="text" value="104.431"/>	<input type="radio"/> Invert Level (m) <input type="text" value="98.00"/>	
	Chamber Shape <input type="text" value="Circular"/>	
	Diameter (m) <input type="text" value="1.20"/>	

OK Cancel Apply

0.00 <= Diameter (m) <= 100.00 [Help](#)

**Name** - Each Junction must have a unique name.

Junctions forms have three tabs with some shared characteristics: **Dimensions**, **Inlets**, and **Outlets**.

## Dimensions

**Junction Type** - either Simple Junction or Manhole can be selected.

**Easting** - The easting coordinate at the centre of the icon on Plan.

**Northing** - The northing coordinate at the centre of the icon on Plan.

Explore the [Inlets](#) and [Outlets](#) pages for more details on these tabs.

Items specific to each Junction types are described in more detail by clicking on the links below.

- [Simple Junction](#)



- [Manhole](#)



**XPert tip:** Using [Object Templates](#), any one of these **Junction** types can be saved in order to use it elsewhere in the same design or in a completely different assessment.