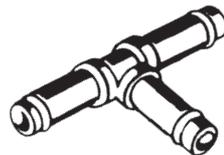
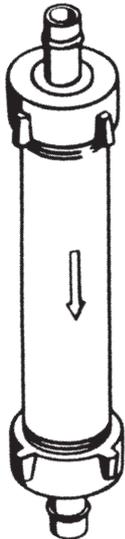
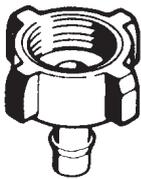


# Fittings for a Simple Drip System



M.W. Last  
May 95

## Fittings for a Simple Drip System

This fact sheet contains the basic fittings needed to make a drip system. Each window contains the name of the item, the size and a description as well as comments.

Walk around the garden or draw a plan and from this, write a list of fittings needed to complete a drip irrigation system.

Most Hardware Stores and some Plant Nurseries carry a full range of drip fittings and equipment.

In Alice Springs fittings can also be purchased from Rainbow Reticulation, Tel. 08-89530155, Fax 08-89527579 or Southern Cross, Tel. 08-89521844, Fax. 08-89530748 .

Land Management Services would like to thank Nylex and CCNT for the use of their diagrams in this publication..

M.W. Last, Pitjantjatjara Council, May 95.

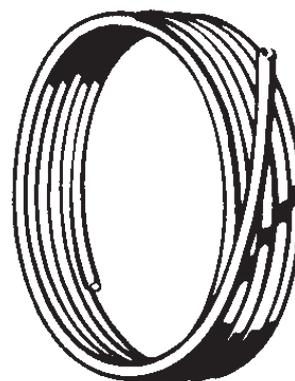


Fig 1

- Item: Polythene Drip Pipe.  
Size: 13 mm by 300 metre rolls.  
Description: Rolls of black soft plastic pipe (300 metres).  
Comments: When purchasing drip pipe there is usually a price reduction for ten or more rolls.

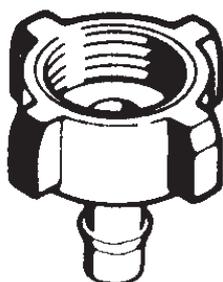


Fig 2

- Item: Nut and Tail.  
Size: 1. 25 mm BSP tap size to 13 mm polythene drip pipe.  
2. 19 mm BSP tap size to 13 mm polythene drip pipe.  
Description: Black plastic fitting which connects the drip pipe to the tap.  
Comments: Make sure there is a washer in the fitting so water doesn't leak out.

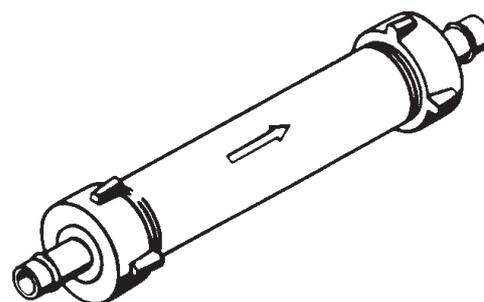


Fig 3

- Item: In-line Filter.  
Size: 13 mm.  
Description: Black plastic fitting with a plastic mesh screen inside.  
Comments: The drip pipe is pushed on each end of the filter which is located just below the tap. Make sure the arrow on the side of the fitting points away from the tap in the direction of the water flow. The filter unscrews so the mesh screen can be cleaned.

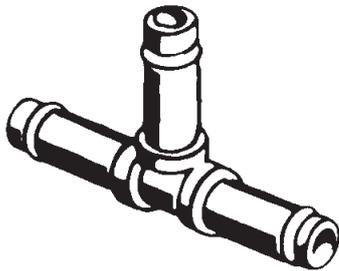


Fig 4

**Item:** Tee Piece.  
**Size:** 13 mm.  
**Description:** Black plastic fitting.  
**Comments:** This fitting has push-on bayonet ends for joining a new pipe into the existing drip pipe.

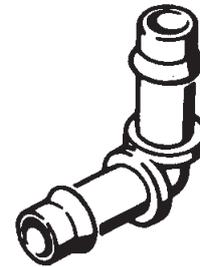


Fig 5

**Item:** Elbow.  
**Size:** 13 mm.  
**Description:** Black plastic fitting.  
**Comments:** This fitting has push-on bayonet ends for joining drip pipe around corners.

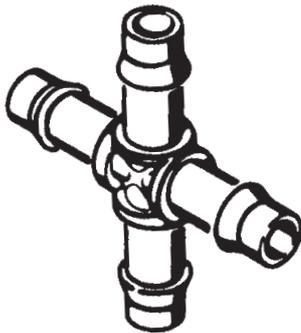


Fig 6

**Item:** Four-way Cross.  
**Size:** 13 mm.  
**Description:** Black plastic fitting.  
**Comments:** This fitting has push-on bayonet ends for joining two new pipes into an existing drip pipe.

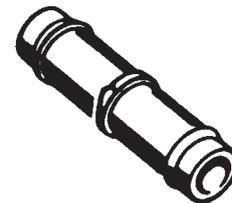


Fig 7

**Item:** Joiner.  
**Size:** 13 mm.  
**Description:** Black plastic fitting.  
**Comments:** This fitting has push-on bayonet ends for joining drip pipe when it has been broken or an extension is being added.



Fig 8

**Item:** End Sleeve or End Stop.  
**Size:** For 13 mm drip pipe.  
**Description:** Black plastic fitting.  
**Comments:** An alternative is to cut off pieces (15 mm wide) of 25 mm black polythene pipe. When the drip pipe end is bent over, the piece of 25 mm pipe is slipped over the end making an effective end stop.

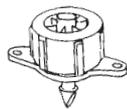


Fig 9

**Item:** Drip Punch.  
**Size:** To suit drippers.  
**Description:** Steel or black plastic hand tool.  
**Comments:** A drip punch is used for punching holes into drip pipe into which the drippers are pushed. A nail can be used to make the right size hole.



Netafim  
Button  
Dripper



Turbo  
Key  
Dripper

Fig 10

**Item:** Drippers.  
**Size:** 4 litre per hour.  
**Description:** Black plastic fitting.  
**Comments:** There are a range of drippers that can be used. Netafim is one that has been used successfully for the past 15 years.



Fig 11

**Item:** Ratchet Clip.  
**Size:** For 13 mm drip pipe.  
**Description:** Black plastic fitting.  
**Comments:** These clamps are used to keep push-on fittings and drip pipe together when day temperatures and water pressures are high.