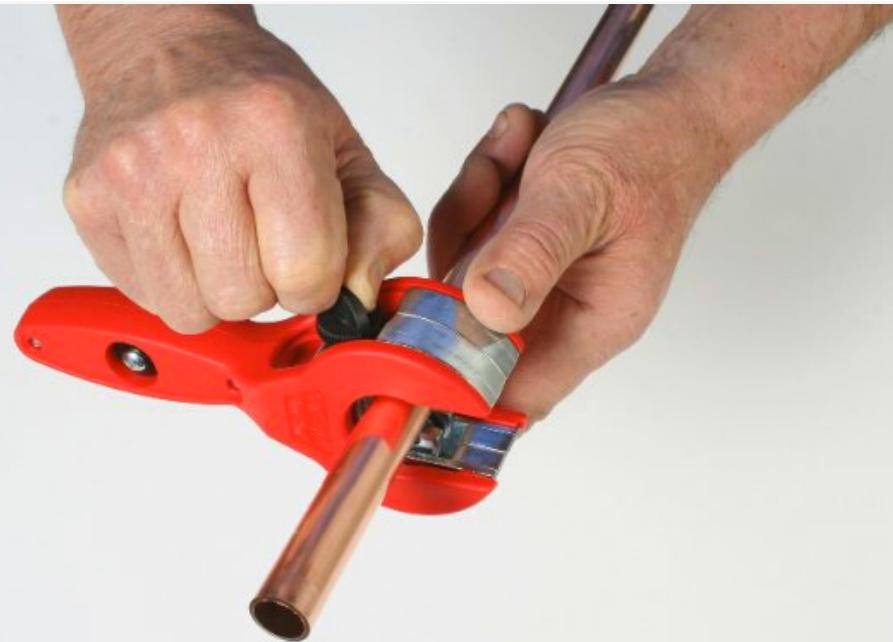




# COUTAPRESS INSTALLATION MANUAL

## Step 1.

Cut the pipe to the required length. Pipe should be cut with a tube cutter so it is completely square.





## Step 2.

Inspect the pipe for dents and scratches which may affect the integrity of the pipe.

## Step 3.

Deburr the pipe using a deburring tool to make sure both inside and outside of the pipe end is free of any burrs and sharp edges to avoid damaging to O-ring.



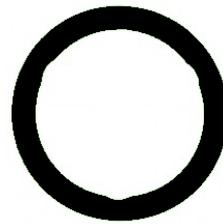


## Step 4.

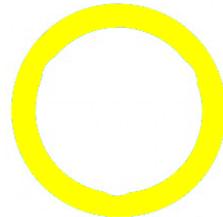
Inspect the fitting before inserting the pipe making sure the fitting is free of any physical damage.

## Step 5.

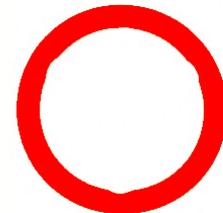
Check you have the correct O-ring for purpose. Black for water, yellow for Gas and red for solar



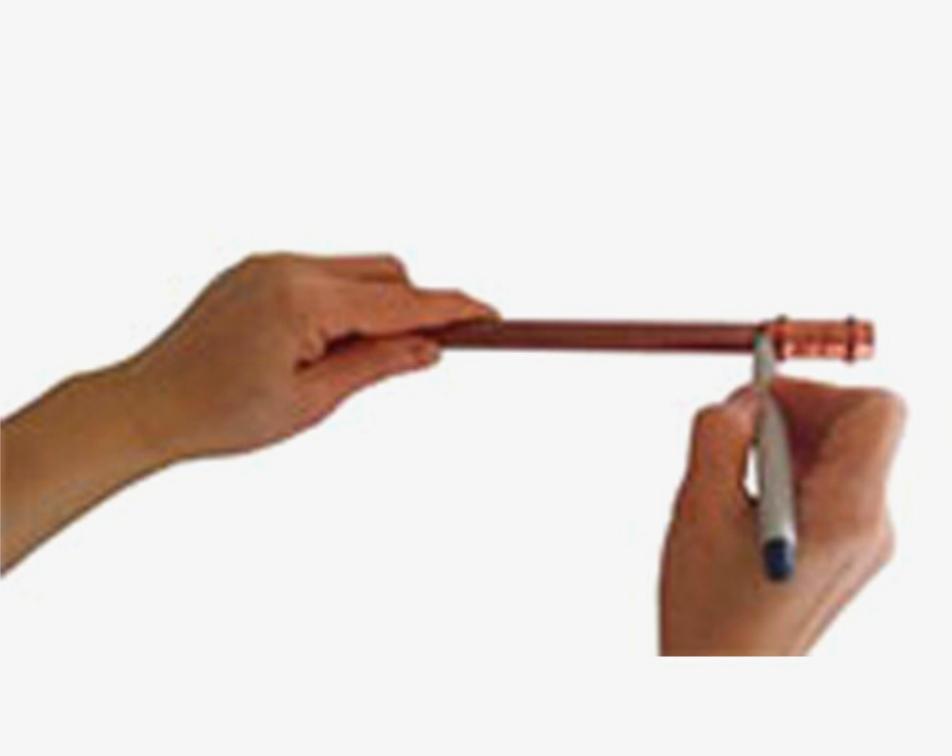
Water - EPDM



Gas - HNBR



Solar - FKMS



Step 6.

Insert the pipe and mark the outside edge against the fitting for correct insertion depth.

By marking the pipe any movement of the pipe during crimping can be detected.



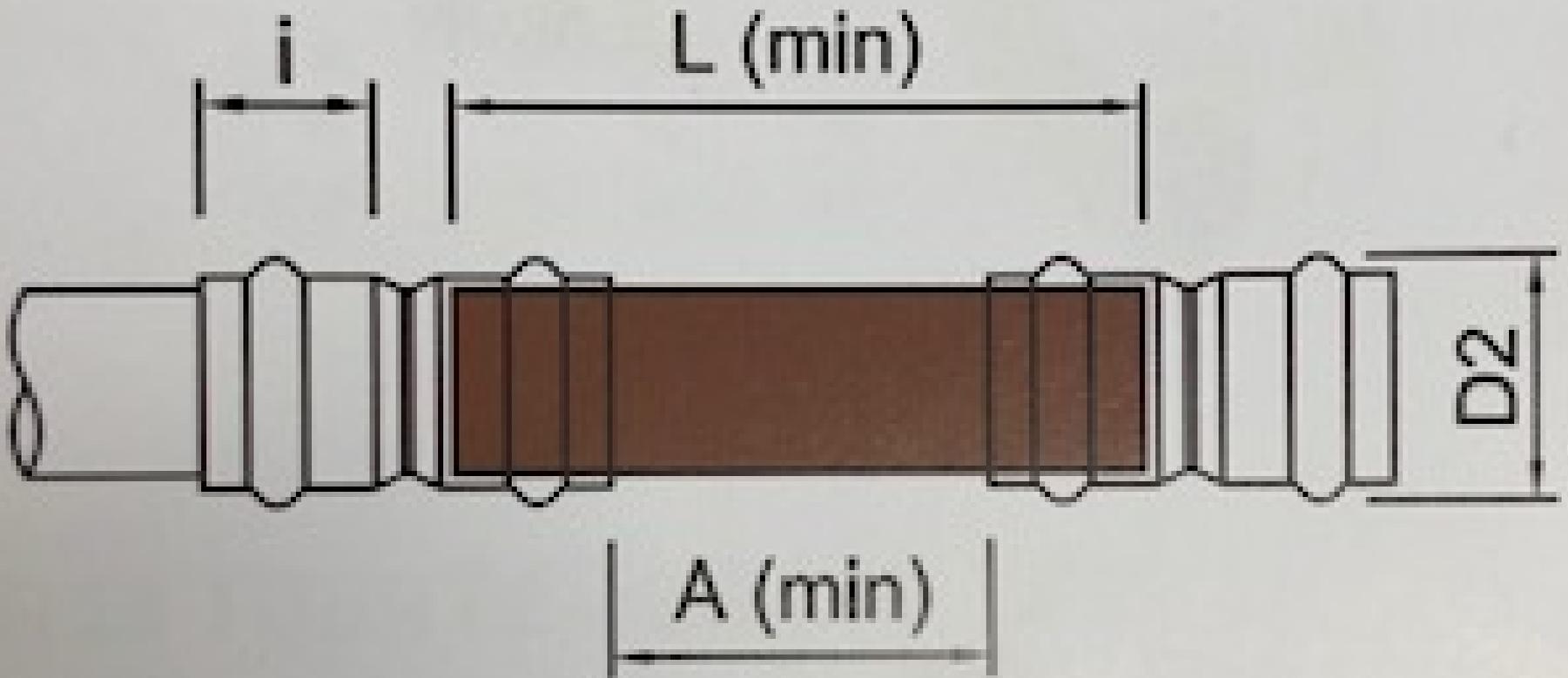
# Minimum length of pipe between 2 fittings

$i$  = Insertion depth

$L$  = Length of pipe

$A$  = Area of exposed pipe

$D_2$  = Diameter of pipe



15mm fitting  $i=19\text{mm}$   $L=51\text{mm}$   $A=13\text{mm}$

20mm fitting  $i=22\text{mm}$   $L=55\text{mm}$   $A=13\text{mm}$

25mm fitting  $i=23\text{mm}$   $L=61\text{mm}$   $A=15\text{mm}$

32mm fitting  $i=26\text{mm}$   $L=67\text{mm}$   $A=15\text{mm}$

40mm fitting  $i=32\text{mm}$   $L=84\text{mm}$   $A=20\text{mm}$

50mm fitting  $i=40\text{mm}$   $L=105\text{mm}$   $A=25\text{mm}$



Step 7.

Check that you are using the correct jaw size for the fittings being used and ensure correct placement of the jaw onto the fitting.

Step 8.

Complete the pressing action of the tool until the cycle of the crimp has been completed.





## Step 9.

Visually inspect the completed crimp for any deformities and pressure test to the requirements found below.

For Water installations AS/NZS3500 Plumbing Drainage and Housing Installation code. This specifies a test pressure of 1500kPa for 30 minutes with no pressure drop observed





For Gas installations AS5601 Installation code. This specifies a test pressure of 7kPa or 1.5 times the working pressure for 5 minutes, which ever is greater.

You should keep a record of all your pressure tests for Quality Assurance. The SafeGuard System is ideal for this procedure as it provides an accurate digital record of all tests undertaken.

