



MAINCOR IMPRESS METAL FITTINGS

Overview

Maincor offer a unique range of metal press fittings to create permanent non-demountable systems from sizes 16-63mm. The 16-32mm fittings include the patented 'O' ring construction where one large O ring is positioned on the fitting connection. The 40-63mm fittings have two O rings on each fitting connection.

Why use Maincor Metal Press Fittings?

- **Less Chance of Errors** - The fitting will leak if the fitting is not pressed. This means that there is less chance of work being covered over before the leak is discovered, reducing warranty costs for the installer.
- **High Quality Construction** - Robust non-demountable pipe and fitting system.
- **Increased Flow** - The larger internal bore allows for significantly increased flow.
- **Viewing Windows** - Allowing the installer to check the pipe is inserted correctly reducing the chances of an error.
- **Ease of Installation** - The pipe goes into the fitting smoothly and quickly, reducing installation time.

Technical Details

Fitting Construction

Maincor Metal Press Fittings are constructed from CW 617N brass in accordance with the requirements of the DVGW worksheet W 534 as well as the Drinking Water Ordinance and were developed specifically for the area of drinking water and heating. The fitting is coated with a tin layer using a galvanic method. The profile ring assembled on the profile of the fitting is constructed from EPDM material (with DVGW and WRAS approval) and is suitable for drinking water. A pressing sleeve made from stainless steel is assembled on the fitting contour, with which the fitting is pressed onto the pipe.



Corrosion resistance

Corrosion is unlikely in heating systems which have been professionally installed. Generally Maincor Metal Press Fittings can be installed into plaster, floor or concrete subject to the location and accessibility requirements of fittings in accordance with Water Regulation (UK) and Water Bylaws (Scotland) guidelines.

There are, however, exceptions in which this is not possible without suitable protection:

- permanent moisture
- pH value > 12.5

In such a case, standard corrosion protection products (e.g. a dedicated sleeve) can be used.



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Key Components

Maincor MLCP, PE-RT/AL/PE-RT Coils



Maincor MLCP, PE-RT/AL/PE-RT, overlap welded aluminium Multi-Layer 100% barrier Composite Pipe, supplied in coils.
Available in 16, 20, 25 and 32mm.

Press Coupler/Press Reducer



Maincor Straight Press Couplers / Reducers are used where straight lengths in excess of 5m are required. By utilising the straight press fitting, multiple 5m lengths can be coupled together, giving the desired installation length.

Maincor MLCP, PE-RT/AL/PE-RT Straight Lengths



Maincor MLCP, PE-RT/AL/PE-RT, overlap welded aluminium Multi-Layer 100% barrier Composite Pipe, supplied in 5m straight lengths.
Available in 16, 20, 25, 32, 40, 50 and 63mm.

Straight Press to Male Connector



Maincor Straight Press to Male Connectors are used to connect MLCP to a wide variety of system components. The male thread is a BSP connection and is also used in conjunction with plumbers' fittings to achieve final connections.

Equal Press Tee



Maincor Equal Press Tee Fittings are used to branch off main distribution pipework, allowing effective distribution to multiple services.

Straight Press to Female Connector



Maincor Straight Press to Female Connectors are used to connect MLCP to a wide variety of system components. The female thread is a BSP connection and is used in conjunction with plumbers' fittings to achieve final connections.

Reducing Press Tee



Maincor Reducing Press Tees are used to branch off main distribution pipework, allowing effective distribution to multiple services where reduction in size is required.

Straight Press to Female Thread Connector (Swivel)



Maincor Straight Press to Female Thread Connectors with a swivel nut are used to connect MLCP to a wide variety of system components.

Press Tee with Female Thread



Maincor Press Tee with a BSP female thread connection situated on the branch.

90° Press Elbow



Maincor 90° Press Elbows are used to achieve a tight bend, where a radius bend would be unachievable or undesirable.

The product images of the press fittings shown above and on the following page are of the 16-32mm Maincor Impress Metal Fittings. The design on the 40-63mm fittings differ from the images shown.



MAINCOR IMPRESS METAL FITTINGS

Key Components

Press Elbow to Male Thread Connector



Maincor Press Elbow to Male Thread connectors are to be used when a 90° elbow is required when joining to a BSP connection.

Press Ball Valves



Maincor full bore Ball Valve assembled and sealed with Maincor metal press fittings. Sizes range from 16, 20, 25 and 32mm, available with either red or blue lever handle.

Press Elbow to Female Thread Connector



Maincor Press Elbow to Female Thread connectors are to be used when a 90° elbow is required when joining to a BSP connection.

White Pipe Clip



White pipe clip with self-closing clamp for a fast and easy installation.

Press Wall Plate Elbow



Maincor Press Wall Plate Elbows allow an outside tap or other similar connection to be piped in MLCP and adapts to a 1/2" or 3/4" female thread.

Mini Pressing Tool and Accessories



Maincor battery operated Mini Pressing Tool suitable for pressing fittings from 16, 20, 25, 32mm 40mm. The tool is supplied with a Milwaukee rechargeable battery and a charger. Press jaws are supplied separately.

Press Stop End



Maincor Press Stop Ends are used for quickly and permanently blanking Maincor MLCP.

Pressing Tool and Accessories



Maincor battery operated Pressing Tool suitable for pressing fittings from 16, 20, 25, 32, 40, 50 and 63mm. The tool is supplied with a Milwaukee rechargeable battery and a charger. Press jaws are supplied separately.

Chrome Press Elbow



Maincor Chrome Press Elbows, by a simple press connection, give an enhanced and professional appearance to pipework on show, for example as a connection to radiators.

MLC Press to Copper Press Connectors



Press to Copper Compression Tails are used to connect MLCP fittings to standard copper compression fittings to enable simple system connection. Soldered fittings are not to be used with the press to copper tails since it's likely the internal O-ring will be damaged by the heat.



Use for making a press to press connection of MLCP and copper. The correct pressing jaws must be used for both the MLCP and copper connections. The fittings are not suitable for use with soldered fittings. The unplated version is also suitable for use with copper compression and pushfit fittings.

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Installation Overview

When installing plumbing systems ensure that all relevant health and safety legislation and local site regulations are fully adhered to at all times.



1. Cut the pipe at a 90° angle.



2. Bevel the cut end of the pipe.



3. Check to ensure there are no burrs.



4. Insert the pipe into the fitting and check the pipe is visible in the viewing windows.



5. Using a Maincor Pressing Tool or Mini Pressing Tool, make the connection.



6. Joint complete.

Always check the inside of the pipe after bevelling to ensure there is no plastic waste from the bevelling process present. If using a drill when bevelling the pipe, ensure the max revolutions are less than 500/min and allow tooling to cool between each procedure.

