



Marley's offering of compression fittings are for use with high density polyethylene pipes dedicated to fluid reticulation. They can be used in irrigation, potable water systems, including many other suitable installations in the engineering and related environments. Marley is a ISO 9001 certified company.

RANGE

The size range is from 16 mm up to 110 mm. Fittings provided with female thread have stainless steel reinforcement on sizes of 1 ¼" or larger.

MATERIALS

The body and nut are made of polypropylene co-polymer, the Split & Locating Ring in white POM resin, the O-ring in NBR and the reinforcing ring in 430 stainless steel.

REFERENCE STANDARDS

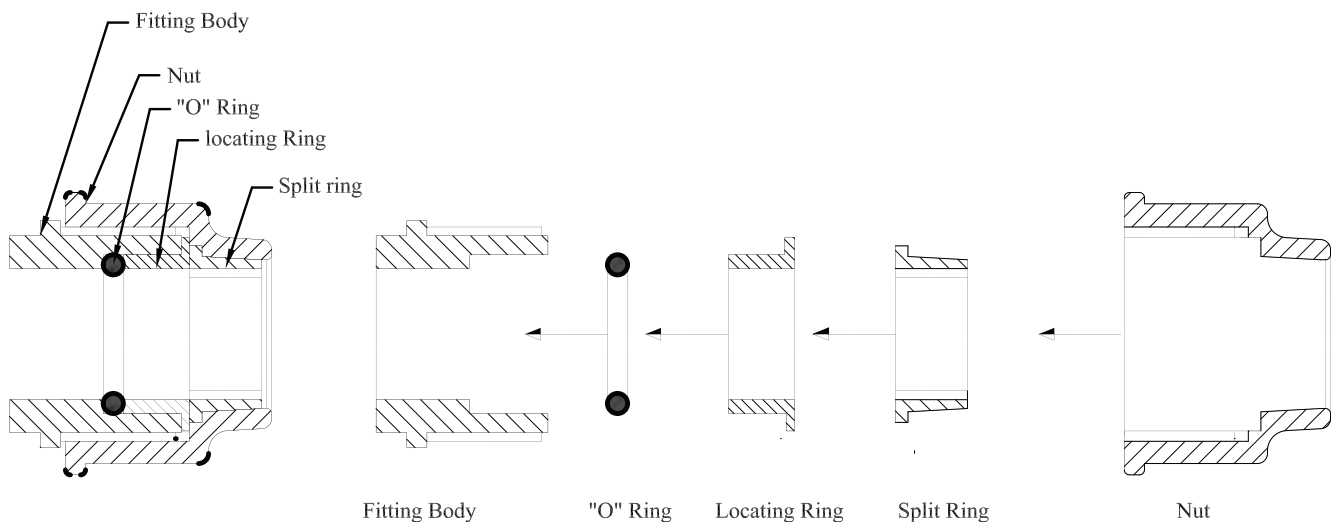
Marley's offering of compression fittings are manufactured in compliance with the requirements of standards ISO 3458, ISO3459, ISO 3501, ISO 3503, ISO 14236, DIN 8076-3, UNI 9561 and carry the SABS mark of approval. The fittings can be installed on PE pipes which are in compliance with standards SANS 4427, DIN 8072, DIN 8074, UNI 10910, UNI EN 12201. The threaded fittings are manufactured in compliance with ISO R7.

PRESSURE RATINGS AT 20°C

Fitting Size (mm)	Pressure Rating (bar)
16-63	16
75-110	10

MARLEY COMPRESSION FITTINGS

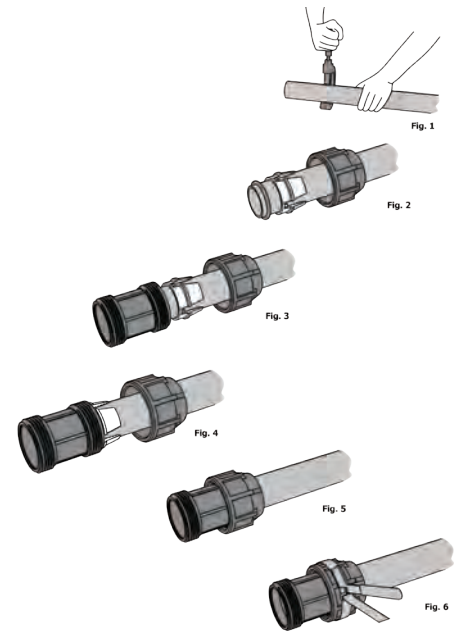
MARLEY'S OFFERING OF COMPRESSION FITTINGS:



COUPLING

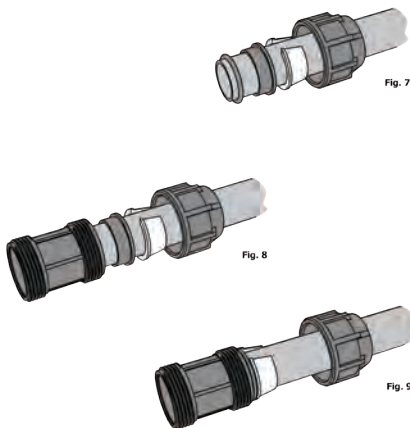
16-63mm

- Use a pipe cutter to cut pipe at 90° to its axis. Fig 1
- Insert over the pipe end in the following order: nut, Split & Locating Ring and O-ring on the mouth of the pipe. Fig 2
- Insert the pipe end and O-ring into the body of the joint; up to the insertion depth tab. Fig 3
- Push the Split & Locating Ring into the body of the joint. Fig 4
- Engage the nut and fully tighten. The nut can be tightened manually up to fittings of 32 mm diameter. It is advisable to use a strap or plumbing wrench for larger diameter fittings. Fig 5 & 6



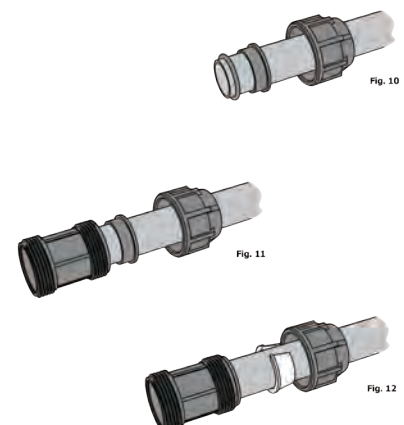
75-90mm

- Use a pipe cutter to cut pipe at 90° to its axis. Fig 1
- Insert over the pipe end in the following order: nut, Split & Locating Ring, and O-ring on the mouth of the pipe. Fig 7
- Lubricate the pipe and the O-ring. Insert the pipe end and O-ring into the body of the joint; up to the insertion depth tab. Fig 8
- Push the Locating Ring into the body of the joint. Slide the Split Ring up to the Locating Ring. Fig 9
- Engage the nut and fully tighten with a strap or plumbing wrench. Fig 5 & 6



110mm

- Use a pipe cutter to cut pipe at 90° to its axis. Fig 1
- Insert over the pipe end in the following order: nut, Locating Ring and O-ring on the mouth of the pipe. Fig 10
- Lubricate the pipe and the O-ring. Insert the pipe end and O-ring into the body of the joint; up to the insertion depth tab. Fig 11
- Push the Locating Ring into the body of the joint and fasten the nut.
- Unfasten the Locating Ring and slip the Split Ring over the pipe. Slide the Split Ring up to the Locating Ring. Fig 12
- Engage the nut and fully tighten with a strap or plumbing wrench. Fig 5 & 6





14236



MALE ADAPTOR

Code	Size
ADM20X1	20mm X 1"
ADM20X1/2	20mm X 1/2"
ADM20X3/4	20mm X 3/4"
ADM25X1	25mm X 1"
ADM25X1/2	25mm X 1/2"
ADM25X3/4	25mm X 3/4"
ADM32X1	32mm X 1"
ADM32X11/2	32mm X 1 1/2"
ADM32X11/4	32mm X 1 1/4"
ADM32X3/4	32mm X 3/4"
ADM40X1	40mm X 1"
ADM40X11/2	40mm X 1 1/2"
ADM40X11/4	40mm X 1 1/4"
ADM40X3/4	40mm X 3/4"
ADM50X1	50mm X 1"
ADM50X11/2	50mm X 1 1/2"
ADM50X11/4	50mm X 1 1/4"
ADM50X2	50mm X 2"
ADM63X11/2	63mm X 1 1/2"
ADM63X11/4	63mm X 1 1/4"
ADM63X2	63mm X 2"
ADM63X21/2	63mm X 2 1/2"



MALE ELBOW 90°

Code	Size
ELM20X1	20mm X 1"
ELM20X1/2	20mm X 1/2"
ELM20X3/4	20mm X 3/4"
ELM25X1	25mm X 1"
ELM25X1/2	25mm X 1/2"
ELM25X3/4	25mm X 3/4"
ELM32X1	32mm X 1"
ELM32X11/4	32mm X 1 1/4"
ELM32X3/4	32mm X 3/4"
ELM40X1	40mm X 1"
ELM40X11/2	40mm X 1 1/2"
ELM40X11/4	40mm X 1 1/4"
ELM40X3/4	40mm X 3/4"
ELM50X1	50mm X 1"
ELM50X11/2	50mm X 1 1/2"
ELM50X11/4	50mm X 1 1/4"
ELM50X2	50mm X 2"
ELM63X11/2	63mm X 1 1/2"
ELM63X2	63mm X 2"
ELM63X21/2	63mm X 2 1/2"



EQUAL TEE

Code	Size
TEE20	20mm
TEE25	25mm
TEE32	32mm
TEE40	40mm
TEE50	50mm
TEE63	63mm



COUPLING

Code	Size
COU20X20	20mm
COU25X25	25mm
COU32X32	32mm
COU40X40	40mm
COU50X50	50mm
COU63X63	63mm



END CAP

Code	Size
END20	20mm
END25	25mm
END32	32mm
END40	40mm
END50	50mm
END63	63mm



EQUAL ELBOW 90°

Code	Size
ELE20	20mm
ELE25	25mm
ELE32	32mm
ELE40	40mm
ELE50	50mm
ELE63	63mm



REDUCING COUPLING

Code	Size
COR25-20	25mm X 20mm
COR32-20	32mm X 20mm
COR32-25	32mm X 25mm
COR40-20	40mm X 20mm
COR40-25	40mm X 25mm
COR40-32	40mm X 32mm
COR50-25	50mm X 25mm
COR50-32	50mm X 32mm
COR50-40	50mm X 40mm
COR63-32	63mm X 32mm
COR63-40	63mm X 40mm
COR63-50	63mm X 50mm



FEMALE ADAPTOR

Code	Size
ADF20X1/2	20mm X 1/2"
ADF20X3/4	20mm X 3/4"
ADF25X1	25mm X 1"
ADF25X1/2	25mm X 1/2"
ADF25X3/4	25mm X 3/4"
ADF32X1	32mm X 1"
ADF32X1/2	32mm X 1/2"
ADF32X11/4	32mm X 1 1/4"
ADF32X3/4	32mm X 3/4"
ADF40X1	40mm X 1"
ADF40X11/2	40mm X 1 1/2"
ADF40X11/4	40mm X 1 1/4"
ADF50X1	50mm X 1"
ADF50X11/2	50mm X 1 1/2"
ADF50X11/4	50mm X 1 1/4"
ADF50X2	50mm X 2"
ADF63X11/2	63mm X 1 1/2"
ADF63X2	63mm X 2"
ADF63X21/2	63mm X 2 1/2"

75mm – 110mm available on request



14236



FEMALE ELBOW 90°

Code	Size
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ELF20X3/4	20mm X 3/4"
ELF25X1	25mm X 1"
ELF25X1/2	25mm X 1/2"
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ELF32X1/2	32mm X 1/2"
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ELF32X3/4	32mm X 3/4"
ELF40X1	40mm X 1"
ELF40X11/2	40mm X 1 1/2"
ELF40X11/4	40mm X 1 1/4"
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ELF50X11/4	50mm X 1 1/4"
ELF50X2	50mm X 2"
ELF63X11/2	63mm X 1 1/2"
ELF63X2	63mm X 2"
ELF63X21/2	63mm X 2 1/2"



FEMALE TEE

Code	Size
TEF20X1/2	20mm X 1/2"
TEF20X3/4	20mm X 3/4"
TEF25X1	25mm X 1"
TEF25X1/2	25mm X 1/2"
TEF25X3/4	25mm X 3/4"
TEF32X1	32mm X 1"
TEF32X1/2	32mm X 1/2"
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TEF50X2	50mm X 2"
TEF63X11/2	63mm X 1 1/2"
TEF63X2	63mm X 2"
TEF63X21/2	63mm X 2 1/2"



MALE TEE

Code	Size
TEM20X1	20mm X 1"
TEM20X1/2	20mm X 1/2"
TEM20X3/4	20mm X 3/4"
TEM25X1	25mm X 1"
TEM25X1/2	25mm X 1/2"
TEM25X3/4	25mm X 3/4"
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TEM32X11/2	32mm X 1 1/2"
TEM32X11/4	32mm X 1 1/4"
TEM32X3/4	32mm X 3/4"
TEM40X1	40mm X 1"
TEM40X11/2	40mm X 1 1/2"
TEM40X11/4	40mm X 1 1/4"
TEM50X11/2	50mm X 1 1/2"
TEM50X11/4	50mm X 1 1/4"
TEM50X2	50mm X 2"
TEM63X11/2	63mm X 1 1/2"
TEM63X2	63mm X 2"
TEM63X21/2	63mm X 2 1/2"

75mm – 110mm available on request

Procedure for inserting pipe into compression fittings, not necessary to disassemble the fitting.

STEP 1:

Loosen nut anti-clockwise by hand



STEP 2:

Insert pipe through split ring, locating ring and O-ring, and up against the stopper



STEP 3:

Tighten nut clockwise by hand



Note : Ensure that the outside diameter of the HDPE pipe is according to SANS standards