ROMAC INDUSTRIES, INC.

INSTALLATION INSTRUCTIONS

Certified to NSF/ANSI/CAN 61

Read installation instructions first before installing. Check parts to ensure that no damage has occured during transit, the bolt guides are aligned with the axis of the pipe, and no parts are missing. Check the diameter of the pipe and confirm you have the proper size coupling.

16" MACRO HP™

Extended Range Coupling

MACRO SIZES	GASKET RANGES	
16"	INNER	17.10 - 18.19
	OUTER	18.11 - 19.20

Step 1 • End rings should overlap center ring flange by approximately 1/4". In the unlikely case they shifted during transport, readjust by backing nuts 1/2" and bring back to concentric position using a soft mallet. Tighten nuts in original position, leaving 1" of exposed thread.

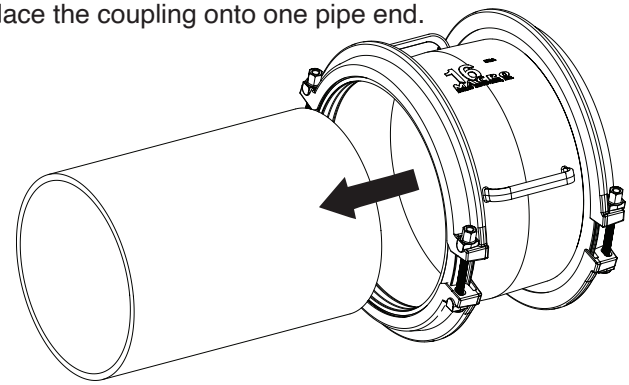
Clean the pipe surfaces wherever the gaskets will come in contact with the pipe, and check to see that the pipe surface is smooth (no dents, projections, gouges, etc.) where the gaskets seal against the pipe.

Confirm that your pipe OD is within the range molded into the gasket. In the case the outer gasket is required, remove inner gasket.

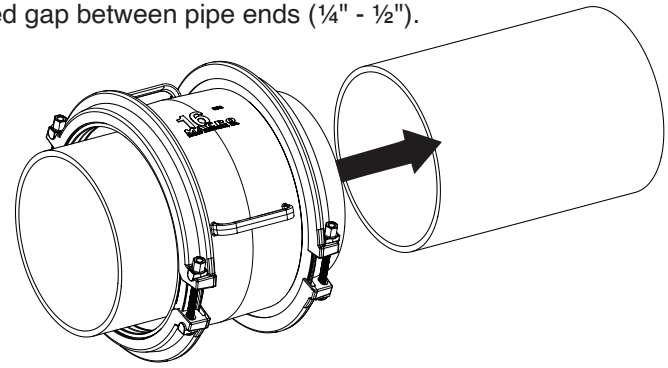
NOTE: If inner gasket needs to be reinserted, the small dot on the front face of the inner gasket must be positioned towards the outside of the coupling. In the case that both inner and outer gaskets are removed from the coupling and separated, they can be reassembled by having the small dots on the same side of the gasket assembly.

Step 2 • Lubricate the gasket and pipe surface with a suitable gasket lubricant.

Step 3a • With the bolts in the extended position, place the coupling onto one pipe end.

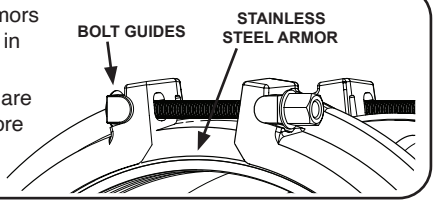


Step 3b • Bring the other pipe into position and slide coupling over the gap. There should be a minimum of 4 inches of pipe insertion per coupling end. Confirm proper alignment between pipes and maintain the recommended gap between pipe ends (¼" - ½").



Keep stainless steel armors centered under the gap in the end rings.

Check that Bolt Guides are positioned properly before bolt tightening.



Step 4 • Tighten each bolt equally until the gasket contacts the pipe and the coupling is snugly held in place.

Step 5 • With the coupling properly located, tighten the bolts to 120 ft-lbs with a torque wrench, maintaining equal gap distance between the end ring halves on each side.

NOTE: For cold weather conditions (below 40 deg F), performance can be improved by warming up the coupling and gasket.

Wait 10 minutes and retighten to account for settling of the gasket.

Step 6 • Confirm proper installation by pressurizing the line and checking for leaks.

Note: Flexible Couplings do not protect against possible pullout of the pipe ends, or the coupling migrating along the pipe in unrestrained conditions.

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16" MACRO HP™

Extended Range Coupling

PRECAUTIONS

1. Check diameter of pipe to make sure the correct sized coupling and gasket range has been selected.
2. Confirm the pipe is round. The coupling may not fit or function on pipe that is too far out of round.
3. Clean pipe to remove dirt and corrosion from pipe surface. Lubrication and additional cleaning should be provided by brushing both the gasket and plain pipe end with soapy water or approved pipe lubricant per ANSI/AWWA C111/A21.11.
4. Make sure no foreign materials lodge between gasket and pipe.
5. Avoid loose fitting wrenches, or wrenches too short to achieve proper torque.
6. Keep threads free of foreign material to allow proper tightening.
7. Make sure the stainless steel armors are centered under the gap in the end rings.
8. Take care to follow proper bolt tightening procedures and torque recommendations. Do not overtorque.
9. Pressure test for leaks before backfilling.
10. Backfill and compact carefully around pipe and fittings.
11. Couplings on different pipe diameters have the potential to migrate. In these instances some form of restraint is required.
12. Do not strike or pry on the coupling with hammers, shovels or other equipment
13. When reinstalling, be sure to inspect all parts for damage and apply additional lubricant to the fasteners

COMMON INSTALLATION PROBLEMS

1. Pipe not inserted into the coupling far enough.
2. Too much pipe deflection.
3. End rings not concentric on center ring. See Step 1.
4. Not waiting ten minutes and retorquing to 120 ft-lbs.

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