



Warning!

- Always read and understand the installation instructions before starting to work with Quikcoup products.
- Always depressurize and drain the piping system from all fluids before starting to work with Quikcoup products.



- Protect yourself during work. Wear safety clothing.
- Always check rubber gaskets carefully for defaults, cuts or holes before installing them in the system. Do not use damaged products!



- Not following these warnings and installation instructions can lead to system failure, personal injury and/or other damages.
- While every effort has been made to ensure the accuracy regarding the information in this catalog, anyone that uses the information contained in this catalog does so at their own risk and assumes any liability that results from such use.

Caution during installation!

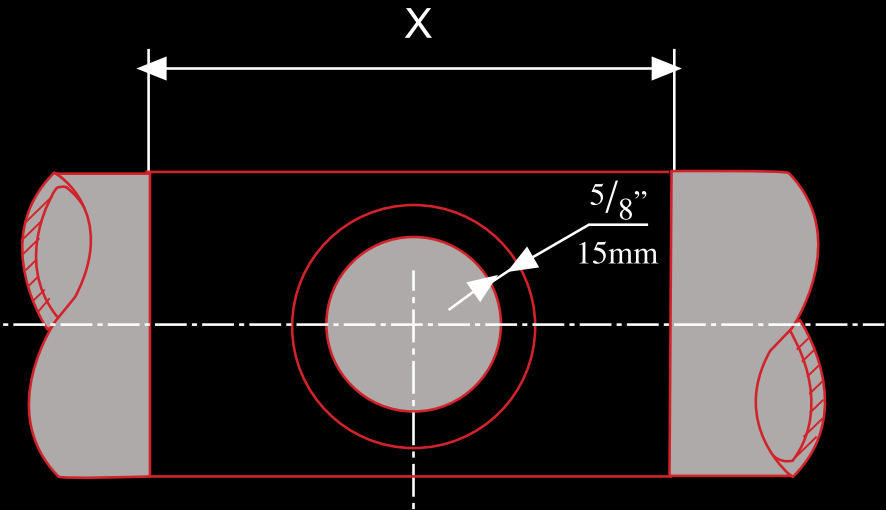
- Make sure gaskets are not pinched during installation. Pinched gaskets must be replaced immediately!
- Make sure oversized pipe or fittings were not used.
- Make sure the bolts have been tightened fully.

- Make sure coupling keys are engaged in the grooves. Coupling keys must not rest on the outside surface of the pipe.
- Always re-inspect joints before and after the field test to identify points of possible failure. If any questionable joints exist, depressurize the system, and replace these joints.

- A successful initial system pressure test does not validate proper installation and is not a guarantee of long-term performance.
- Modgal Metal will not assume any liability for pipe joint leakage that may result from an installer's failure to follow Quikcoup's installation instructions.

Pipe preparation for
Style 08T/08G/87G/88T & Style 99

- Check for the required hole diameter size, the tables on pages 18-21 for Quik-T™ or Quiklet™.
- Cut a hole in the pipe wall at the desired location. The center of the hole must be on the center line of the pipe. To ensure a good seal and satisfactory service, make sure that the hole diameter is in accordance with the specified dimensions.
- Smooth the edges of the hole carefully to ensure that the throat will fit correctly within the pipe hole for proper functioning.
- Remove burrs and be sure that the pipe surface is free of dirt about 5/8" around the hole to ensure proper sealing. The band "X" shown in the drawing below around the entire pipe must be likewise clean and smooth to ensure proper sealing.



Bolt torques

- All Quikcoup couplings with standard ANSI or Metric Bolts and Nuts should be equally torqued, unless stated otherwise, conform the specifications mentioned in the table below.
- The table below shows the recommended torque for each bolt size for all Quikcoup products mentioned in this catalogue.

Boltsize	Bolt Torque (Nm: Newton meter)
	Min. - Max.
3/8" x 2"	41Nm - 68Nm
3/8" x 2.1/4"	41Nm - 68Nm
3/8" x 2.3/8"	41Nm - 68Nm
1/2" x 3"	120Nm - 150Nm
5/8" x 3.1/2"	135Nm - 175Nm
5/8" x 4.3/4"	135Nm - 175Nm
3/4" x 4.3/4"	200Nm - 270Nm
3/4" x 5.1/2"	200Nm - 270Nm
7/8" x 7.1/8"	270Nm - 340Nm

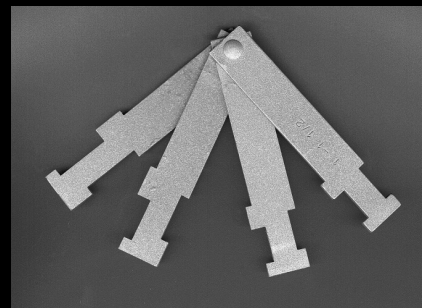
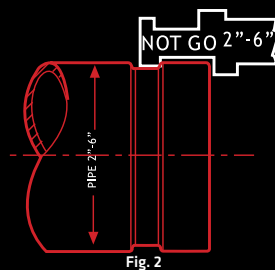
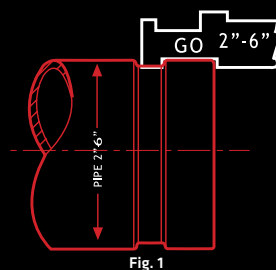
Groove Diameter Gauge

- This simple and efficient gauge was designed to control the pipe groove diameter "C" of roll grooved steel pipes at Nominal Size up to 24" (610mm).
- 1 Pull out enough band from the meter to create a ring of a diameter similar to that of the pipe being checked.
 - 2 Place the band into the groove and firmly pull the band on each end.
 - 3 Determine if the origin arrow is within the "groove diameter range"-band for the applicable pipe size. The origin arrow must be within this black band for conformance to Quikcoup groove specifications (see figure).



Gasket Seat Width Gauge

- This useful "Go/Not Go" blades gauge was Design for controlling gasket seat "A" and groove width "B" dimensions, of Roll grooved steel pipes up to 16" (400mm) Nominal Size (Inches / DN) in compliance with Quikcoup Roll Groove engineering data (listed on page 33).
- 1 Select one of the blades that is suitable to the pipe diameter you intend to check.
 - 2 Hold the gauge so that lettering "Go" is faced toward you.
 - 3 Position the gauge over the groove and gasket seat. The gauge should fit in and clamp the gasket seat (see figure No. 1).
 - 4 Turn the blade so that the lettering "Not Go" is faced towards you.
 - 5 Position the gauge so that the projections tooth touching the edge of the pipe. The tooth at the edge of the gauge should not fit into the groove (see figure No. 2).



Quikcoup Lubricant

- Lubricant Type 27-XL, Water Dispersible
- Quikcoup Lubricant type 27-XL must always be used for proper coupling installation. The lubricant prevents the gasket from being pinched during coupling assembly, which will result to leakages.
- Suitable for most types of pipelines, including portable water pipelines.
- Will not impart taste, color or odor to water in pipelines flushed in accordance with recommended AWWA procedures.
- Contains no petroleum.
- Will not support bacteria.
- Will not deteriorate natural or synthetic rubber, or plastic gaskets.
- Stable from 0°C - 104°C
- Not toxic.
- No objectionable odor.

For dry pipe and freezer applications, use a petroleum-free silicon based lubricant.

Use instructions

1. Clean all dirt, burrs or foreign matter from joint surface.
2. Apply an even coating of lubricant to gasket lips, gasket exterior and/or housing interiors
3. Assemble the joint according to Quikcoup assembly instructions.

Quikcoup Lubricant type 27-XL contains:
Potassium Oleate, Diethylene, Glycol and Mica.

Petroleum based lubricant must not be used on gasket grade EA or EP.



- Check the pipes ends. The groove must be of uniform depth and its dimensions conform to Quikcoup specifications. Both pipes end should be free of indentations, rust or roll marks from the end of pipe to the groove.
- Loosen the nut, swing the coupling halves open and take out the gasket.



- Check the color code of gasket to make sure it is the correct type for service intended. Coat with a thin layer of Quikcoup 27-XL lubricant the gasket lips, gasket exterior. (CAUTION: Guard lubricant surfaces against dirt setting on them.)
- Slip gasket on pipe, ensuring that it does not protrude over the end of the pipe.



- Bring the two pipe ends together and align them.
- Slide gasket forward so that it covers the gap and rests at an equal distance from each groove.
- The grooves must be clear to receive the coupling.



- Open the coupling halves to the maximum and place the coupling over the gasket so that couplings keys (tenons) make good contact in the grooves.
- Swing the bolt and nut to the intended bolt-slot.

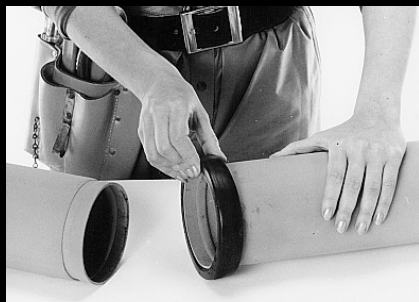


- Tighten the nut bringing coupling halves together (metal to metal), then apply specified torque to ensure proper contact between coupling halves.
- Important: Make sure that the coupling halves make good contact in the groove.



- Check the pipes ends. The groove must be of uniform depth and its dimensions conform to Quikcoup specifications. Both pipes end should be free of indentations, rust or roll marks from the end of pipe to the groove.

- Loosen the nuts, swing the coupling halves open and take out the gasket.



- Check the color code of gasket to make sure it is the correct type for service intended. Coat with a thin layer of Quikcoup 27-XL lubricant the gasket lips, gasket exterior. (CAUTION: Guard lubricant surfaces against dirt setting on them.)

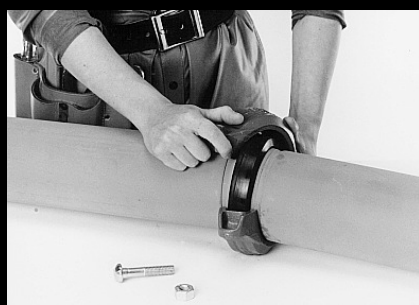
- Slip gasket on pipe, ensuring that it does not protrude over the end of the pipe.



- Bring the two pipe ends together and align them.

- Slide gasket forward so that it covers the gap and rests at an equal distance from each groove.

- The grooves must be clear to receive the coupling.



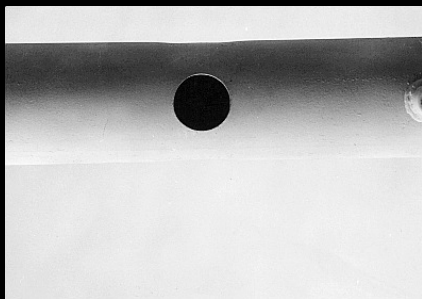
- Put the coupling halves over the gasket so that couplings keys (tenons) make good contact in the grooves.

- Insert the bolts into their holes and turn nuts until finger-tight.



- Tighten the nuts alternately and equally bringing coupling halves together (metal to metal*), then apply specified torque to ensure proper contact between coupling halves. Important: Make sure that the coupling halves make good contact in the groove.

* For style 75RT and S2-75RT couplings, an intended gap of up to 0.078" is permitted at each pad to allow for positive rigid gripping onto the pipe..



- Check the pipe surface. The hole must be cut or drilled on centerline of pipe and in dimensions conform Quikcoup specifications. (pages 20-22)
- The area within 15mm of hole must be clean and perfectly smooth to ensure sealing. A band of 26mm from each side of the hole must be free of dirt and rust projections to ensure tight sealing around the pipe.



- Remove one nut completely, while the other nut should be loosened enough to enable the Quik-T™ to be opened sufficiently wide to slip over pipe.



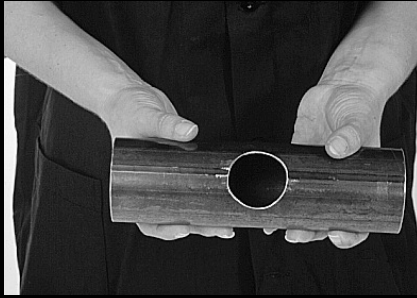
- Remove the gasket and check the color code of gasket to make sure it is the correct type for service intended. Coat with a thin layer of QUICKCOUP 27-XL lubricant all surfaces of the gasket. CAUTION: Guard lubricant surfaces against dirt setting on them.
- Re-insert gasket into casing using the alignment bulges for proper positioning.



- Turn the lower casing away from the upper one. Place the outlet part on the pipe axially aligned with the hole. Turn the lower part until it fits snugly round the pipe and align it with the upper part. Place the throat properly in the hole.
- Re-insert the removed bolt and tighten the nuts until finger-tight.



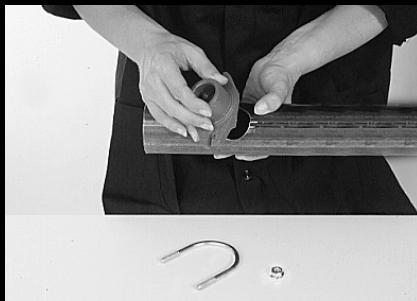
- Tighten the nuts alternately and equally leaving equal gaps between the bolt pads. Apply specified torque to ensure proper sealing.



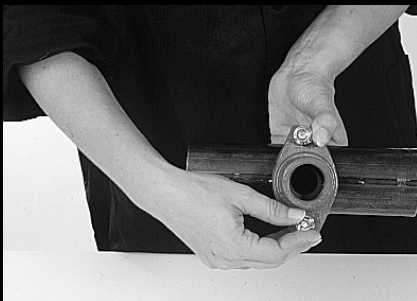
- Check the pipe surface. The hole must be cut or drilled on centerline of pipe and in dimensions conform Quikcouple specifications. (page 23)
- The area within 15mm of hole must be clean and perfectly smooth to ensure sealing. A band of 26mm from each side of the hole must be free of dirt and rust projections to ensure tight sealing around the pipe.



- Remove one nut in order to remove the U-bolt from the Quiklet™ in order to place it on the pipe.
- Remove the gasket and check the color code of gasket to make sure it is the correct type for service intended.



- CAUTION: For wet based applications do NOT coat the gasket with lubricant! For dry pipe and freezer applications, use a petroleum-free silicon based lubricant.
- Re-insert gasket into casing using the alignment bulges for proper positioning.



- Place the Quiklet™ over the hole on the pipe axially aligned with the hole. Make sure the leading edge of the gasket does not intersect with the hole and sits smoothly over the pipe's surface. the throat properly placed inside the hole. Check this by gently moving the Quiklet™, pushing it down at the same time.



- Hold the coupling in position and tighten the nuts alternately and equally leaving equal gaps between the U-bolt pads. Apply specified torque to ensure proper sealing.



- Check the pipes ends. The groove must be of uniform depth and its dimensions conform to Quikcoup specifications. Both pipes end should be free of indentations, rust or roll marks from the end of pipe to the groove.
- Loosen the nuts, swing the coupling halves open and take out the gasket.



- Check the color code of gasket to make sure it is the correct type for service intended. Coat with a thin layer of QUIKCOUP 27-XL lubricant the gasket lips, gasket exterior. (CAUTION: Guard lubricant surfaces against dirt setting on them.)



- Assemble the larger side of the reducing gasket over de larger pipe end until the Steel Washer touches the pipe end. (Make sure the steel washer is inside the reducing gasket.)
- Insert the smaller pipe end in the reducing gasket with a slightly twisting motion of the pipe. The pipe end will stop on the steel washer.



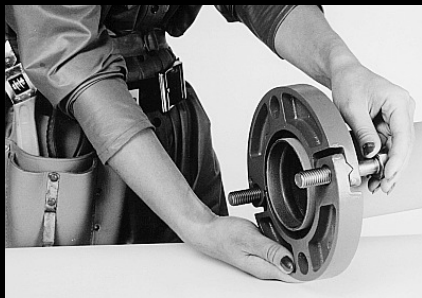
- Place the coupling halves over the reducing gasket so that couplings keys (tenons) make good contact in the grooves
- Place the bolts and nuts into the intended bolt-slots.



- Tighten the nuts alternately, bringing coupling halves together (metal to metal),. Then apply specified torque to ensure proper contact between coupling halves.
- Important: Make sure that the coupling halves make good contact in the grooves.



- Check the pipes ends. The groove must be of uniform depth and its dimensions conform to Quikcoup specifications. The pipe end should be free of indentations, rust or roll marks from the end of pipe to the groove.
- Open the Quikflange™ halves to the maximum and place it around the grooved pipe end with the flange keys (tenon) into the groove. The gasket cavity should face the pipe end.



- Insert standard bolt through mating bolt holes opposite the hinge to ensure that the Quikflange™ rests firmly in the groove.

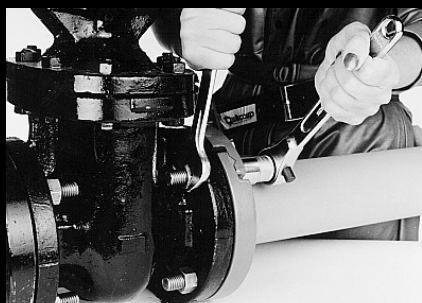


- Check the color code of gasket to make sure it is the correct type for service intended. Coat with a thin layer of Quikcoup 27-XL lubricant the gasket lips, gasket exterior. (CAUTION: Guard lubricant surfaces against dirt setting on them.)



- Stretch the gasket around the pipe end and press it into the cavity between the pipe OD and the Quikflange™. The gasket is properly inserted when the sealing lips face the pipe end and the mating flange.

The part of the gasket in contact with the pipe should not protrude over the end of the pipe. Apply additional Quikcoup 27-XL lubricant to the outer lip which seals the mating flange.



- Make sure the mating flange face is free of any indentation which may prevent a good sealing. Align the Quikflange™ bolt throughout the hole of the mating flange. Handtighten the nut.

Insert the next bolt opposite to the first, and add the remaining bolts in the same way. Make sure the gasket is properly positioned between the flanges. Tighten all nuts evenly with a minimum of 200Nm torque.