

Fig. 7005 Roughneck® Coupling



Read and understand all instructions before use.

WARNING

Ensure system is drained and depressurized before installation or service.

Use appropriate personal protective equipment.



Failure to follow these instructions could result in serious personal injury and/or property damage.

1 Pipe Preparation

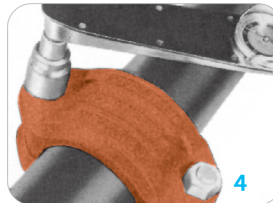
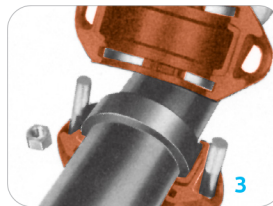
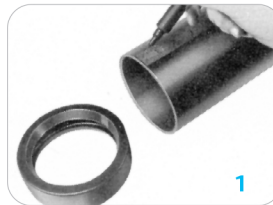
Make certain the pipe ends are free of indentations, projections, weld splatter, or other imperfections which could prevent proper sealing of the gasket.

2 Pipe Marking

Mark each pipe at a distance from the pipe end according to the pipe run size. See Image 1 and the chart.

3 Check & Lubricate Gasket

Check the gasket color code to verify that the gasket grade is properly suited for the intended service. Apply a thin coating of Gruvlok Lubricant to the gasket lips and the exterior surface of the gasket and slip the gasket over one pipe. See Image 2. Make sure the gasket does not overhang the pipe end.



Pipe Run Size

Pipe Size	Distance from Pipe End Mark	Bolt Torque	
		Min.	Max.
In./DN(mm)	In./mm	Ft.-Lbs./N-m	Ft.-Lbs./N-m
2-2½ 50-65	1 25.4	150 203	190 257
3-4 80-100	1 25.4	200 271	250 339
5-8 125-200	1¼ 31.8	250 339	300 406
10 250	1¾ 44.5	500 678	600 814
12 300	1¾ 44.5	550 746	700 949
14-16 350-400	1¾ 44.5	550 746	700 949

4 Pipe Alignment

Align the second pipe and while holding the pipe in the butted position slide the gasket back over the second pipe end. The gasket should be equally spaced between the lines scribed on each pipe.

5 Housing

Place each half of the Roughneck coupling over the gasket, making sure that the tongue on one housing half is aligned with the recess on the other housing half. See Image 3.

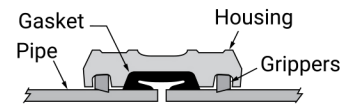
6 Tighten Nuts

Tighten the nuts alternately and uniformly until the required bolt torque is reached. See Image 4 and chart for bolt torque.

7 Reinstallation

Reinstallation after a disassembly will require that the threads on the bolt and in the nut are clean and lubricated with a light oil.

Note: Torque requirements must be met and housing halves must be assembled with equal gaps between bolt pads.



Working pressure and end load are based on a properly assembled Roughneck coupling with bolts fully torqued to the above specifications, on plain-end or beveled standard wall steel pipe and Gruvlok Plain-End Fittings.

Roughneck Couplings are designed to be used on plain-end pipe and Gruvlok Plain-End Fittings only. For externally coated pipe applications, contact an Anvil International Representative.

Not recommended for use on steel pipe with a hardness greater than 150 Brinell, plastic, HDPE, cast iron or other brittle pipe.

Re-Installation: The 7005 roughneck coupling may be re-installed following a quick visual inspection of the gripper and pipe ends. Any damage on the gripper and or pipe ends may compromise the integrity of the joint and it is advised that the coupling and or individual gripper be replaced and the pipe end cut back to where they are free from damage.

*Bolt torque ratings shown must be applied at installation.

