

Installation Instruction For Grooved Flange

1. Pipe preparation

Check pipe end for proper groove dimensions and to assure that pipe end is free of indentations and projections that would prevent proper sealing.



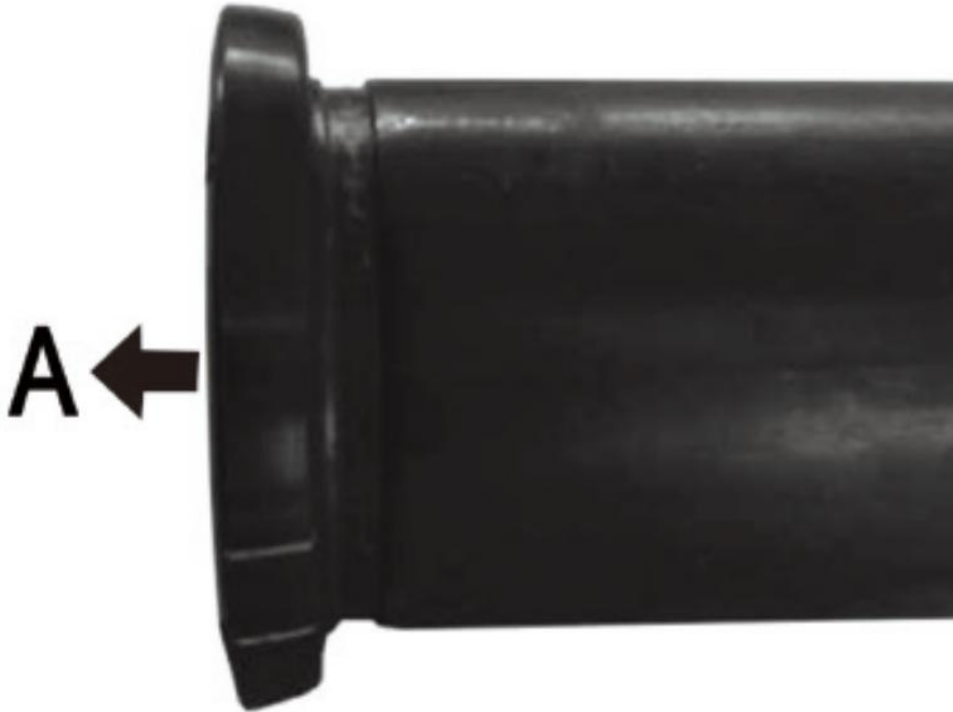
2. Lubricate gasket

Check gasket to be sure it's compatible for the intended service. Apply thin MECH Pipe Joint Lubricant to the outside and sealing lips of the gasket.



3. Gasket installation

Slip the gasket over pipe end, with the gasket opening side towards "A". Make sure the gasket sealing lip is even with pipe end.



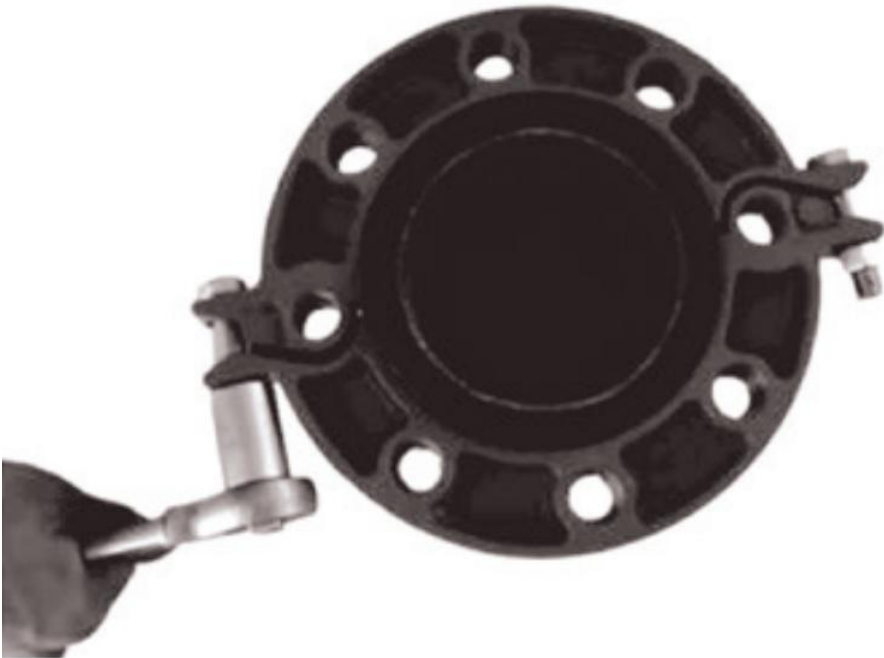
4. Housing installation

Remove bolts and nuts, place two housings over the gasket, making sure the housing keys fit into the pipe grooves. Re-insert the bolts and hand tighten the nuts.



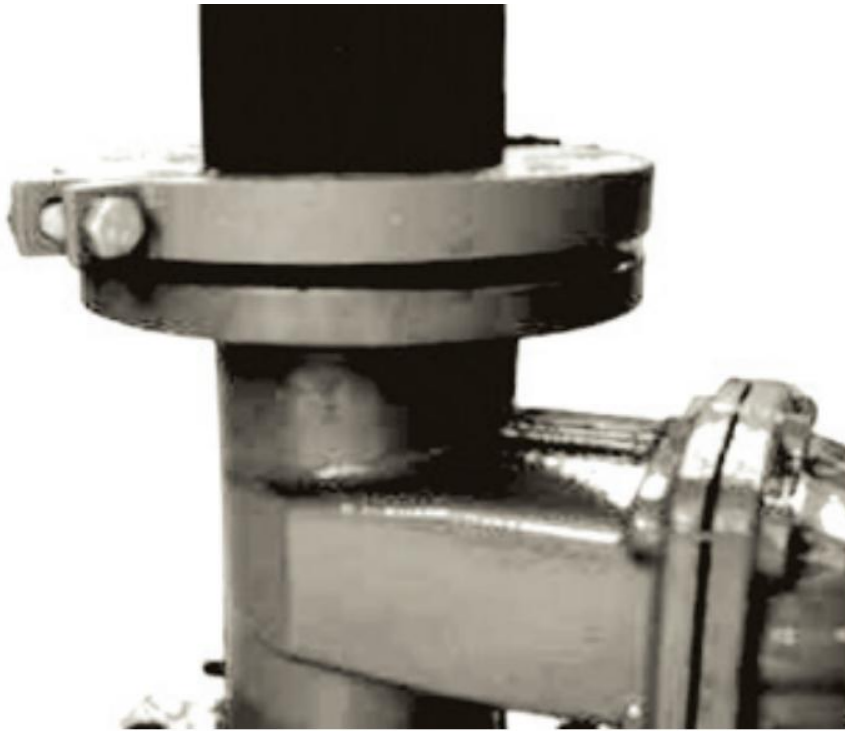
5. Tighten nuts

Securely tighten nuts alternatively and equally to the specified bolt torque by using spanner.



6. Connect mating flange

Align flange bolt holes with mating flange (or valve) bolt holes. Insert a standard flange bolt through bolt hole and hand tighten a nut. Insert another bolt opposite the first and hand tighten a nut. Continue this until all bolt holes are fitted. Tighten nuts evenly to specified bolt torque, so flange faces remain parallel. Assembly completed.



Caution	
<p>Proper torquing of bolts is required to obtain specified performance.</p> <ul style="list-style-type: none"> - Over torquing the bolts may result in damage to the bolt and / or casting which could result in pipe joint separation. - Under torquing the bolts may result in lower pressure retention capabilities, lower bend load capabilities, joint leakage and pipe joint separation. Pipe joint separation may result in significant property damage and serious injury. 	

※ Self-lubricating rubber rings do not need to be lubricated

Specified Bolt Torque	
ANSI BOLTS	
Bolt Size	Specified Bolt Torque

Inch	Lbs-Ft.	N.m
M10	30-45	40-60
M12	80-100	110-135
M16	— —	— —
M20	— —	— —
M22	— —	— —
M24	— —	— —