

# FOSTER ADAPTOR



## INSTALLATION INSTRUCTIONS

MJ valve and fitting restraint

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### BEFORE YOU START:

#### BOLT LENGTH

- 1) **STANDARD Accessory Pak** — for typical C153 compact fittings and valves
- 2) **LONG-BOLT Accessory Pak** — for full-body C110 fittings and certain butterfly valves with thick bolt flanges

#### HYDRANT AND OTHER CONNECTIONS

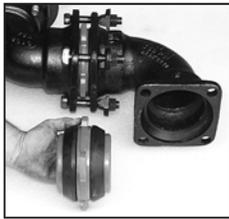
- 1) When using 3-inch to 14-inch Fosters on both the “branch” and “run” of compact tees or crosses, the standard accessory bolts may obstruct each other. Substitution of shorter bolts should solve this. Conduct a trial connection prior to field assembly. Special short-bolt accessory paks are available. Contact Infact for more info.
- 2) Because of the large variety of hydrant designs, we strongly recommend that you conduct a trial connection prior to field assembly. Foster Adaptors can be assembled on many hydrant shoes that have adequate space for bolt clearance, including M&H Model 129, Mueller Centurion and Clow Medallion. Contact Infact for more info.

#### WRENCHES

A combination wrench may be required to install the Foster Adaptor on some valves. Wrench size required:

- 3-inch (75mm): 1 1/16-inch wrench
- 4 to 12-in (100-300mm): 1 1/8-inch wrench
- 14 to 24-inch (350-600mm): 1 1/4-inch wrench
- 30 to 36-inch (750-900mm): 1 5/8-inch wrench

# 1



- a) Lubricate **INSIDE** and **OUTSIDE** of gaskets.
- b) Seat gaskets on each side of adaptor.

# 2



- a) When possible, place valve or fitting on its end and push adaptor into valve or fitting.
- b) Install **EVENLY**.

# 3



- a) Install T-bolts first. This provides easier eyebolt installation. Place bolts in hard-to-reach holes BEFORE you lower the fitting.
- b) **EVENLY** seat fitting on the adaptor and insert other bolts.

# 4



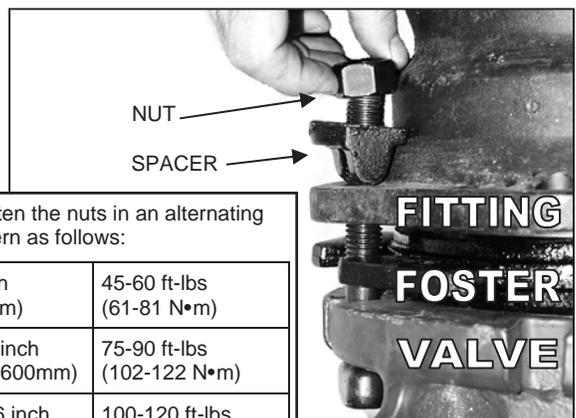
- a) Place T-head spacers on bolts. The rounded T-head faces the bolt, and the flat side faces the nut.

# 5

Diameter, inches      Diameter, mm      NUMBER OF EYEBOLTS

3, 4	75, 100	none
6, 8	150, 200	1 eye-bolt on each side of valve
10, 12	250, 300	2 eye-bolts on each side of valve
14-36	350-900	none

# 6



Tighten the nuts in an alternating pattern as follows:

3-inch (75mm)	45-60 ft-lbs (61-81 N•m)
4-24-inch (100-600mm)	75-90 ft-lbs (102-122 N•m)
30-36 inch (750-900mm)	100-120 ft-lbs (135-163 N•m)

**Why the spacers?** You're putting a nut where a T-bolt normally goes, so you'll use the T-head spacer to shift the nut upward to keep it from hitting the fitting when you tighten the nut.

**Why the eyebolts?** You do not have to rod to the eyebolts; the curve of the eyebolts just makes it easier to bolt the Foster to certain sizes of wide-bodied valves. When using the Foster to connect two fittings, place the eyebolts in any convenient hole location.

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