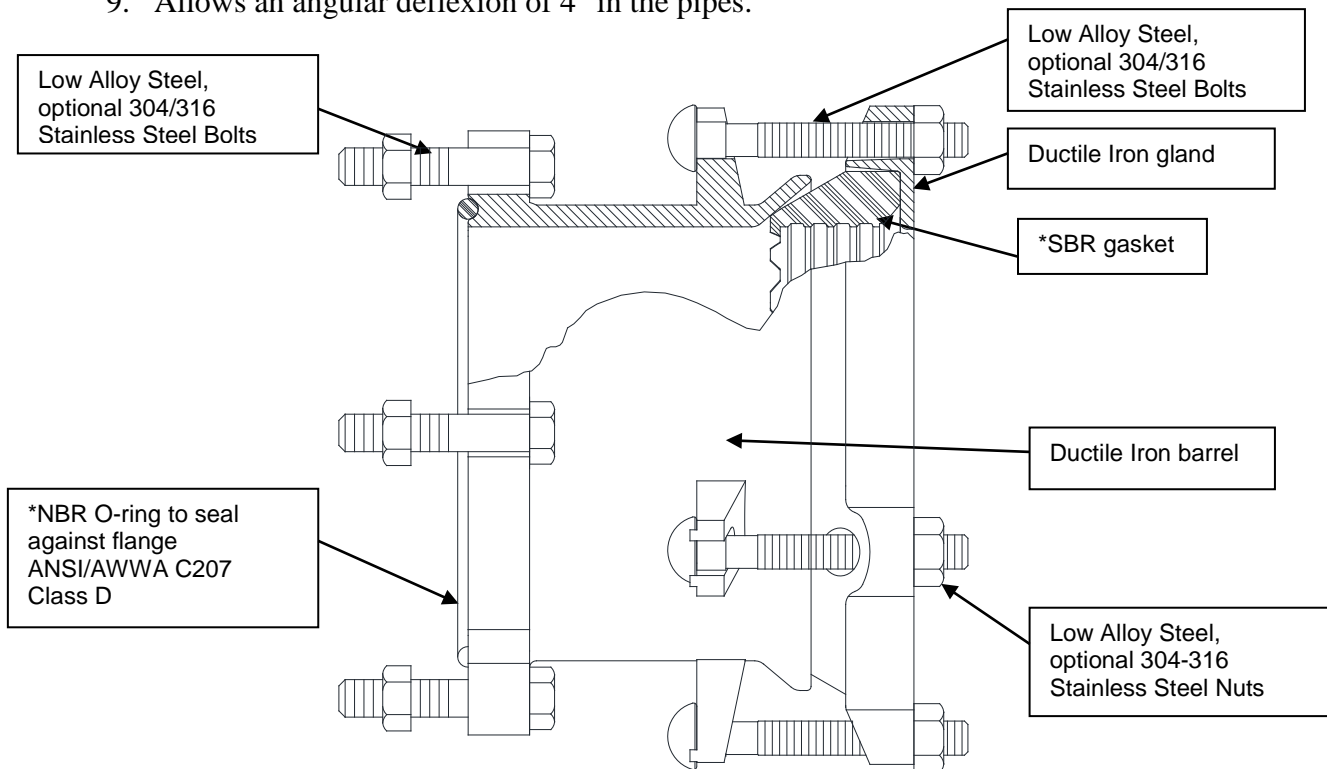


### Features and Benefits

1. Tested and certified by WQA/NSF 61.
2. Complies with AWWA C219 standard.
3. Provides a flexible and secure means of installing valves, meters and flanged fittings.
4. Eliminates the need for spool pieces, thereby cutting down on space, time requirements and material costs.
5. Provides deflection, absorption of vibration and ease of assembly and disassembly.
6. Just one body per nominal size.
7. Includes NBR gasket made out of 100% new rubber to insure a proper performance under high pressure, potable water, salt water, acids, and chemical components.  
NBR ideal for temperatures from  $-25^{\circ}$  to  $+248^{\circ}$ F. Also available in EPDM or Viton.
8. The castings are all supplied with a fusion bonded epoxy coating for corrosion resistance.
9. Allows an angular deflexion of  $4^{\circ}$  in the pipes.



### Scope

The purpose of this specification is to receive a Powermax Flange Coupling Adapter in sizes 2” to 12”. This flange adapter has the ability on the coupling end to fit a wide array of pipe OD’s without changing end glands or gaskets. It has a one size fits all feature. The supplied adapter should be equivalent to the Model 3526 Powermax Flange Coupling Adapter as fabricated by Powerseal Pipeline Products Corp and should comply with all aspects of AWWA C219.

### Material design and specifications

1. The Powermax Flange Coupling Adapter should comply all of the next material specifications as well as the AWWA C219.
2. Gasket should be molded rubber and vulcanized NBR (Nitrile Butadiene Rubber) made out of 100% new rubber to insure the highest performance in applications with; high pressure, potable water, salt water, acids, and chemical componets. SBR ideal for temperatures from -25° to +248°F Recyclable material should not be used. The gasket should comply with ASTM D2000 to insure that its specifications last while in stock. Also available in EPDM or Viton.
3. The O-ring gasket should be conic to insure a proper seal in any tipe of pipes with diferent OD’s. The end of the gasket where meets the flange should have a chamfer of at least 3/8” to ease tensions when the gasket is at its maximum compression and prevent failure. The inner surface of the gasket should have trapezoidal section rings to help adhere to the pipe and also work as staggered barriers to help contain the fluid.
4. Bolts and nuts Low Alloy Steel. Also available in Stainless Steel type 304 and 316.

Material Specification		
Name	Material	Specification
Body/ Gland	Ductile Iron (65-45-12)	ASTM A536
Gaskets	SBR	ASTM D2000
Bolts	Low Alloy Steel	ASTM A325
Nuts	Low Alloy Steel	ASTM A563
Finish	Epoxy Coated	AWWA C210

### General dimesion chart

NOMINAL DIAMETER	RANGE	BOLTS			Weight (LBS.)	Body Length (IN.)
		5/8” BOLTS	# OF BOLTS IN FLANGE	BOLT SIZE IN FLANGE		
3”	3.40”-4.20”	3	4	5/8” X 3”	23	6
4”	4.20”-5.33”	4	8	5/8” X 3”	25	6.28
6”	6.25”-7.45”	5	8	3/4” X 3 1/2”	36	6.28
8”	8.40”-9.79”	6	8	3/4” X 3 1/2”	45	5.65
10”	10.70”-12.12”	7	12	7/8” X 4”	72	10
12”	12.75”-14.38”	8	12	7/8” X 4”	102	10

