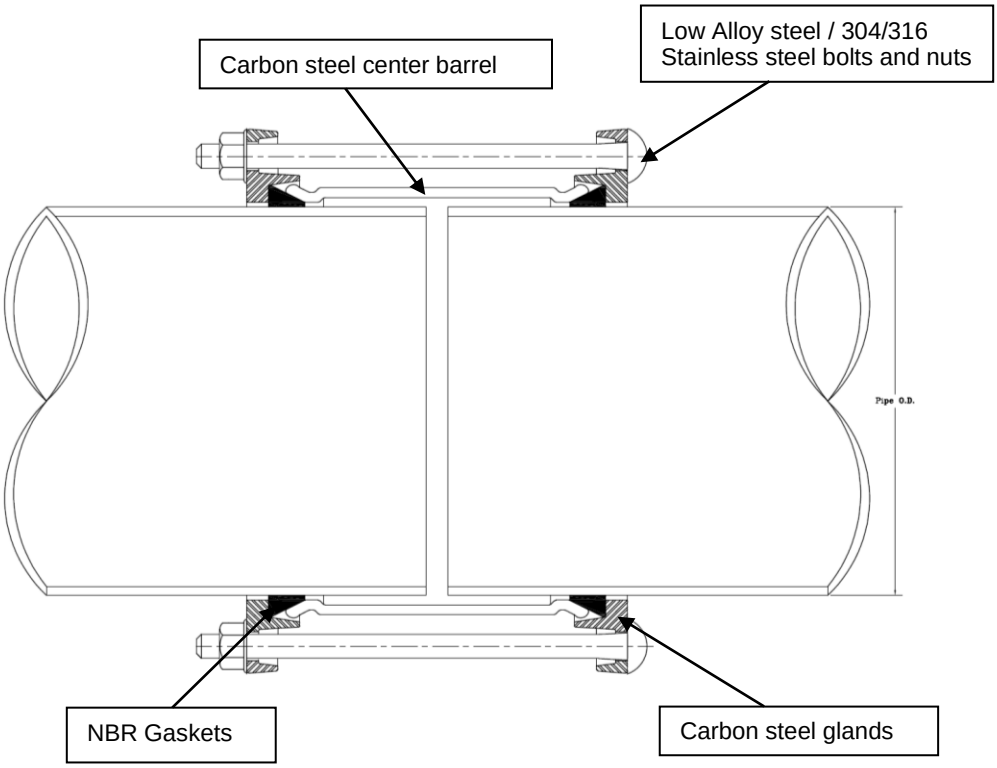
Features and Benefits

1. Can be custom made to fit any O.D. or other unusual applications.
2. Flexible and secure connection which allows the repair or connection of damaged or new sections of pipe.
3. The NBR transition gasket is produced from 100% new rubber to ensure excellent performance under varying pressures. Suitable for mild acids, water and salt media with a temperature range of -25 to +248°F. Other materials available.
4. 3° to 5° deflection at each joint.



Scope

The intent of the specification is to receive 4" - 42" diameter steel couplings which consists of one cylindrical sleeve; two resilient, wedge shaped, specially-compounded rubber gaskets; two ring shaped followers; and a set of high-strength, low alloy track head oval neck bolts with heavy hex nuts. The coupling furnished shall be equivalent to Model 3538 Steel Coupling as manufactured by PowerSeal Pipeline Products Corporation. Meets or exceed AWWA C219.

Design and Material Specification

The Steel Coupling shall meet or exceed all material specifications as listed below and AWWA C219.

1. Gaskets are in Nitrile (Buna-N), compounded to resist natural gas, water, oil, acids, alkalies, most (aliphatic) hydrocarbon fluids and many chemicals. It allows a temperature range of -25 to 248°F. Gaskets shall meet the requirements of ASTM D2000 to ensure superior storage characteristics, permanence, and resistance to set.
2. Bolts are high strength, low alloy steel with heavy semi-finished hexagon nuts, or in Carbon Steel per ASTM A307, electro-galvanized with di-chromate seal. Available in 304/316 Stainless Steel.

The coupling center barrel and glands shall also have a liquid epoxy finish.

Material Specifications		
Part Name	**Material**	**Mat. specs**
Gland	Steel	AISI C1020
Gasket	Nitrile (Buna-N)	ASTM D2000
Center Barrel	Carbon Steel	ASTM A53
Bolts	Low Alloy Steel	ASTM A325
Nuts	Low Alloy Steel	ASTM A563
Coating	Liquid epoxy	AWWA C116