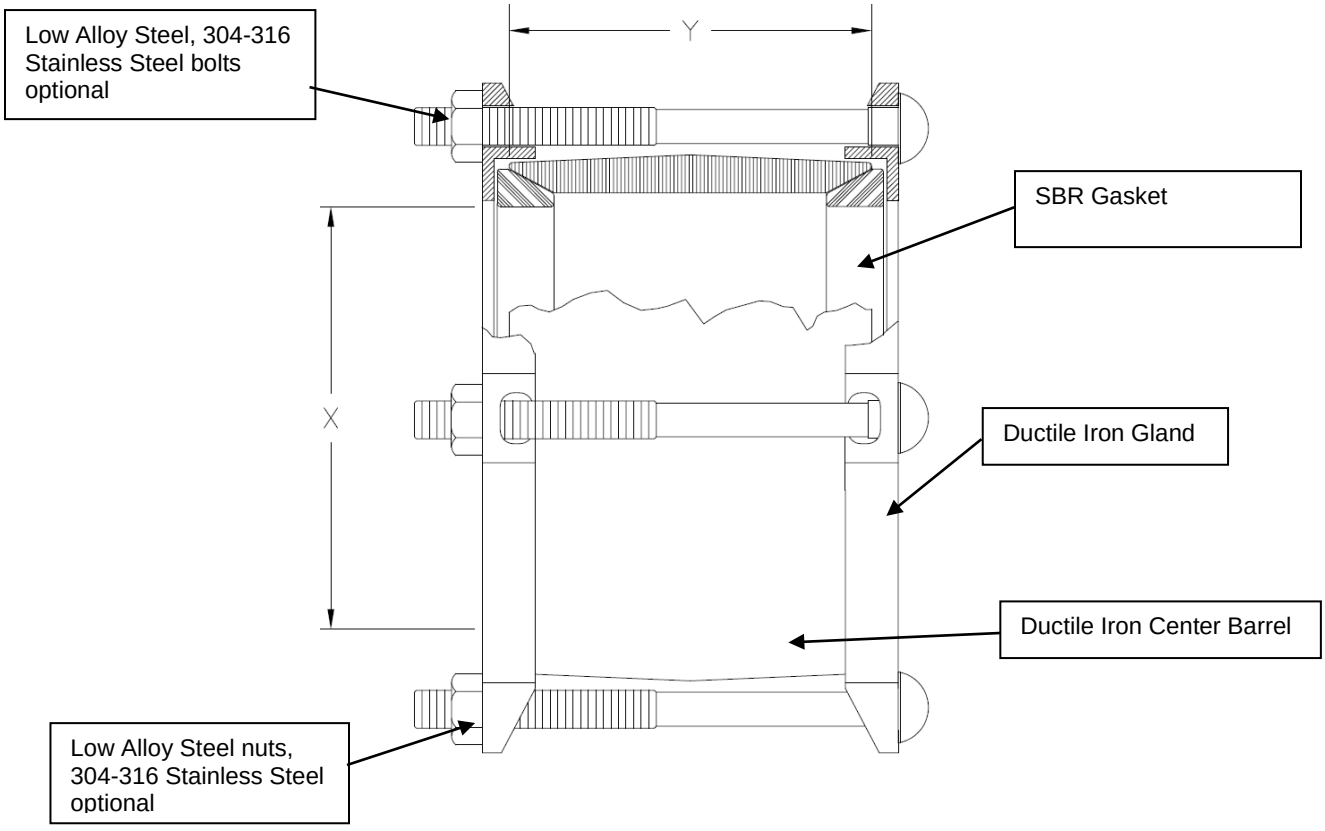
PowerSeal PIPELINE PRODUCTS CORPORATION

Features and Benefits

1. Flexible and secure connection which allows the repair or connection of damaged or new sections of pipe.
2. The SBR 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 +200°F. Other materials available.
3. Color coded glands and gaskets for easy identification.
4. Center barrel and glands receive an interior and exterior fusion bonded epoxy coating.
5. Complete interchangeability in the field.
6. 3° to 5° deflection at each joint.
7. O.D. ranges are cast and molded into glands and gaskets, plus the glands and gaskets are color coded for easy identification.



NSF/ANSI 61 IAPMO R&T C ®

Scope

The intent of the specification is to receive 2" - 48" diameter all ductile iron bolted transition couplings which require only one common center sleeve per nominal pipe size and interchangeable end rings and gaskets to join the plain ends of all pressure classes of steel, cast and ductile iron, PVC, and asbestos cement pipe. The coupling furnished shall be equivalent to Model 3501 Transition Coupling as manufactured by PowerSeal Pipeline Products Corporation. Meets or exceed AWWA C219. The coupling is for below ground installations.

Design and Material Specification

The transition coupling shall meet or exceed all material specifications as listed below and AWWA C219.

1. Gaskets shall be vulcanized, molded or extruded, SBR (Styrene Butadiene Rubber) or NBR (Nitrile Butadiene Rubber) free from porous areas, foreign materials, and visible defects. Reclaimed rubber shall not be used. Gaskets shall meet the requirements of ASTM D2000 to ensure superior storage characteristics, permanence, and resistance to set. Also available in EPDM or Viton.
2. Bolts and nuts shall be high strength low alloy steel per ASTM A325. Stainless Steel type 304 or 316 bolts and nuts are available.
3. The laying length of the transition sleeve shall be as specified (i.e., standard or extra-long), and the minimum quantity of bolts shall be as noted per the nominal diameter.
4. All cast components will be ductile iron per ASTM A536.

Material Specifications		
Part Name	**Material**	**Mat. specs**
Gland	Ductile Iron	ASTM A536
Gasket	SBR	ASTM D2000
Center Barrel	Ductile Iron	ASTM A536
Bolts	Low Alloy Steel / Stainless Steel 304/316	ASTM A325/ ASTM A193
Nuts	Low Alloy Steel / Stainless Steel 304/316	ASTM A325/ ASTM 194
Coating	Epoxy Coated	AWWA C210

3501
TRANSITION COUPLING
Certified to NSF/ANSI-61.

PowerSeal PIPELINE PRODUCTS CORPORATION

NOMINAL PIPE SIZE	"Y" (IN)		PIPE RANGE "X" (IN)					BOLT QTY	WEIGHT (LB)
	Standard	Long	OD - WHITE	AA - GREEN	A - BLUE	B - BLACK	C - GRAY		
2	5	12	-	-	2.35-2.63	-	-	2	4
2 1/2	5	-	-	-	2.69-2.88	-	-	2	5
3	5	12	-	-	3.25-3.55	3.70-4.00	3.95-4.25	3	13
4	6	12	4.00-4.13	4.20-4.50	4.50-4.85	4.80-5.10	5.05-5.40	4	18
6	6	12	6.00-6.14	6.27-6.72	6.62-6.95	6.90-7.22	7.19-7.45	5	27
8	6	12	8.00-8.16	8.40-8.82	8.62-9.05	9.05-9.45	9.10-9.79	6	38
10	6	12	-	-	10.70-11.10	11.10-11.50	11.60-12.12	7	52
12	6	12 /16	-	-	12.75-13.20	13.20-13.50	13.78-14.38	8	70
14	6	-	-	-	15.30-15.70	16.00-16.40	16.40-16.88	9	91
16	6	12 /16	-	-	17.15-17.40	17.40-17.80	18.46-19.00	10	105
18	7	-	-	-	18.70-19.10	19.10-19.70	19.70-20.25	12	128
20	7	12	-	-	20.80-21.35	21.35-21.75	21.75-22.25	12	140
24	10	-	-	-	25.00-25.80	26.10-26.32	-	14	230
30	10	-	-	-	31.74-32.00	32.40-32.74	-	14	280
36	16	-	-	37.93-38.54	38.54-39.16	39.16-39.55	39.55-40.05	16	919
42	16	-	-	-	44.20-44.60	44.60-45.15	45.15-45.65	20	1431
48	16	-	-	50.10-50.72	50.72-51.34	51.34-51.72	51.72-52.06	20	1531

NSF/ANSI 61 IAPMO R&T C ®