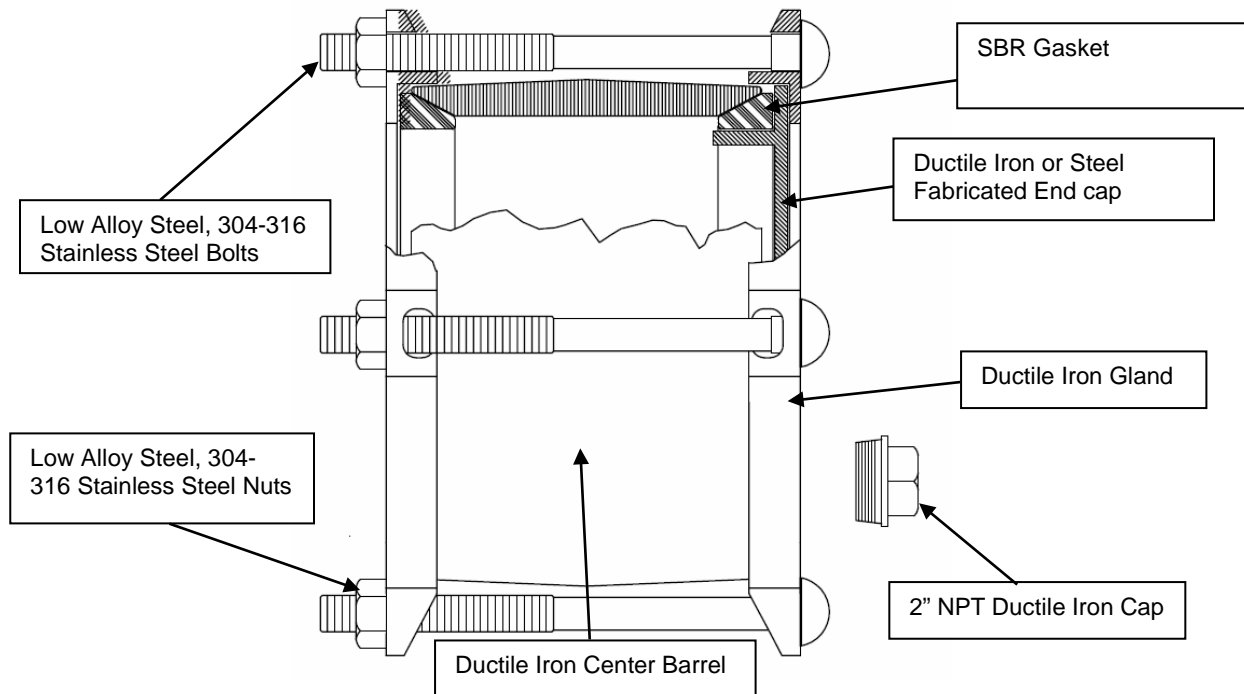


Features and Benefits

1. Flexible and secure connection which allows the repair of damaged sections of pipe. The end cap provides a way to close off a pipeline at a plain end spigot 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. NBR, EPDM and Viton available upon request.
3. Center barrel and glands receive an interior and exterior fusion bonded epoxy coating.
4. Complete interchangeability in the field.
5. 3° to 5° deflection at coupling joint.
6. O.D. ranges are cast and molded into glands and gaskets, plus the glands and gaskets are color coded for easy identification.
7. Ductile iron or fabricated steel end cap with a 2 inch NPT outlet and plug.





Scope

The intent of the specification is to receive 2” - 48” diameter ductile iron bolted transition couplings with end cap 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 end cap will provide a means to close off a pre-existing line temporarily or permanently. The coupling furnished shall be equivalent to Model 3501EC Transition Coupling as manufactured by PowerSeal Pipeline Products Corporation. Meets or exceed AWWA C219.

Design and Material Specification

1. The Transition Coupling shall meet or exceed all material specifications as listed below and AWWA C219.
2. Gaskets shall be vulcanized, molded or extruded, SBR (Styrene 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. Nitrile(NBR), EPDM and Viton available upon request.
3. Bolts and nuts shall be Low Alloy. Stainless Steel type 304 and SST type 316 are available.
4. 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.

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	ASTM A325/ ASTM A193
Nuts	Low Alloy Steel/ Stainless Steel 304	ASTM A325/ ASTM A194
Coating	Epoxy Coated	AWWA C210
End Cap	Ductile Iron	ASTM A536
Plug	Ductile Iron	ASTM A536



3501EC
 TRANSITION COUPLING WITH ENDCAP
 Certified to NSF/ANSI-61.



NOMINAL PIPE SIZE	LENGTH		PIPE RANGE (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	10
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	33
8	6	12	8.00-8.16	8.40-8.82	8.62-9.05	9.05-9.45	9.10-9.79	6	45
10	6	12	-	-	10.70-11.10	11.10-11.50	11.60-12.12	7	67
12	6	12 /16	-	-	12.75-13.20	13.20-13.50	13.78-14.38	8	92
14	6	-	-	-	15.30-15.70	16.00-16.40	16.40-16.88	9	97
16	6	12 /16	-	-	17.15-17.40	17.40-17.80	18.46-19.00	10	98
18	7	-	-	-	18.70-19.10	19.10-19.70	19.70-20.25	12	135
20	7	12	-	-	20.80-21.35	21.35-21.75	21.75-22.25	12	144
24	10	-	-	-	25.00-25.80	26.10-26.32	-	14	230

