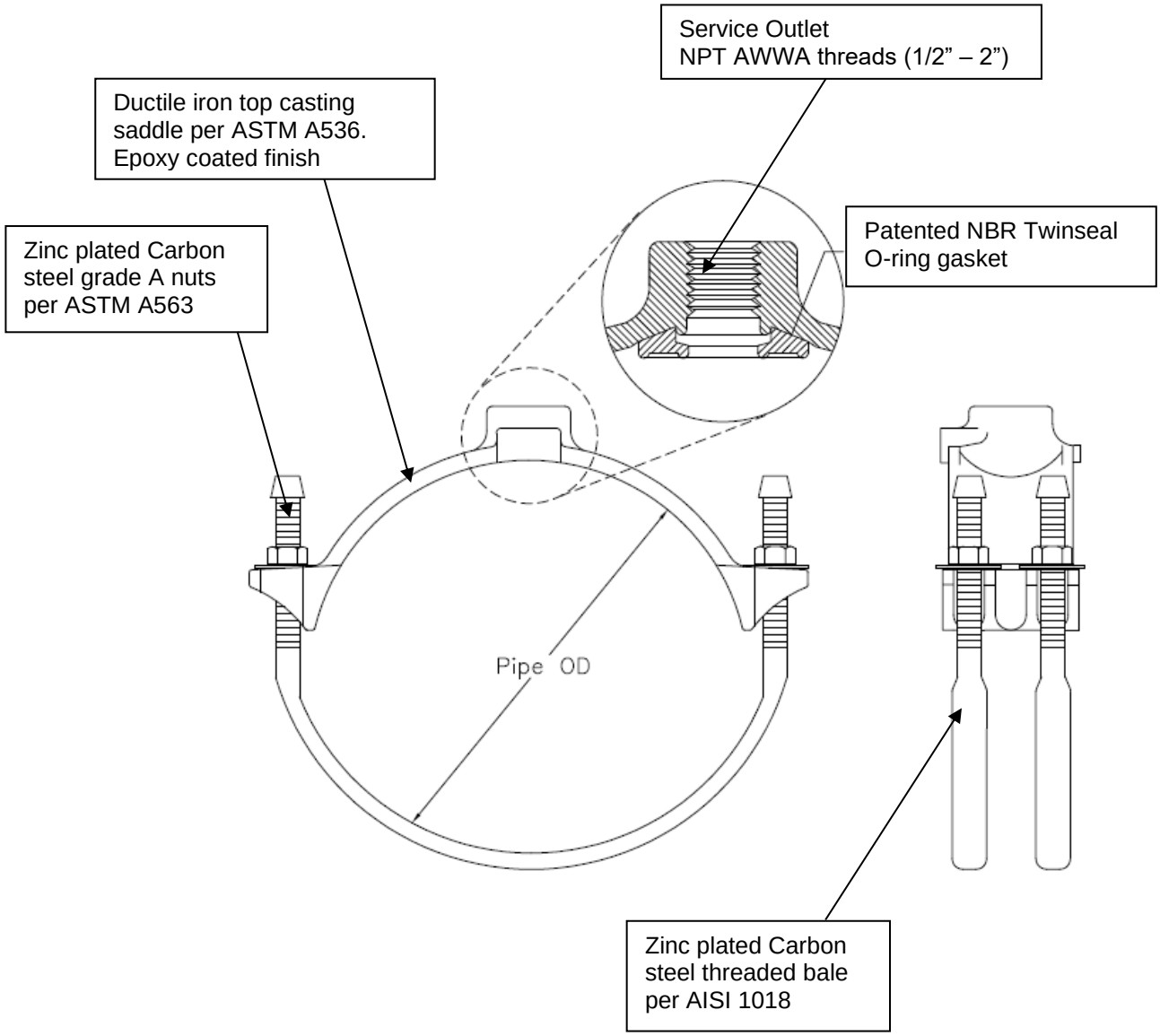
Features and Benefits

1. Materials do not compromise the integrity of the pipeline.
2. Heavy duty construction.
3. Zinc plated 5/8” carbon steel bale
4. Saddles are available with NPT, or AWWA (CC) tapped outlets ½” -2”
5. Patented Twinseal NBR O-ring gasket design incorporating both hydrostatic and mechanical forces to produce a dynamic seal.
6. Standard epoxy coating applied to ductile iron top casting



Scope

The intent of the specification is to receive a 2" – 24" (3413DI) diameter ductile iron saddle. The saddle furnished shall be equivalent to models 3413DI as manufactured by PowerSeal Pipeline Products Corporation.

Design and Material Specification

The ductile iron saddle shall meet or exceed all material specifications as listed below:

1. The top casting of the saddle shall be ductile iron as per ASTM A536.
2. The saddle shall have a Twinseal O-ring gasket permanently attached to the casting at the factory.

   The O-ring gasket shall be the patented design in NBR. It shall be free from porous areas, foreign material, and visible defects, all made from 100% new rubber. The NBR resists temperatures of -25 to +248°F.
3. Bale shall be zinc plated carbon steel per AISI 1018, with electro galvanized dichromate finish for added corrosion resistance.
4. The (AWWA or NPT) threaded outlet shall be individually CNC machined and inspected at the factory.
5. There shall be no paper or plastic adhesive labels attached to the saddle, any information appearing on the saddle shall be ink stenciled.
6. Fully complies with AWWA C800 and NSF 61.

Material Specifications		
Part Name	**Material**	**Mat. specs**
Saddle Top	Ductile Iron	ASTM A536
Bale	Z & Y Chromate Steel	AISI 1018
Nuts & Washers	Z & Y Chromate Steel	Grade 5
O-ring	NBR	ASTM D2000
Finish	Epoxy Coating	***

Model 3413 DI

Pipe Size		Pipe OD Range		
in.	mm.		in.	mm.
2	50	**A**	2.38 - 2.50	61- 64
3	80	**A**	3.5	89
		B	3.45 - 4.05	88 -103
4	100	**A**	4.00 - 4.50	102 - 114
		B	4.74 - 5.63	120 - 143
		C	4.74 - 5.14	120 - 131
6	150	**A**	6.00 - 6.63	152 - 168
		B	6.84 - 7.64	174 - 194
8	200	**A**	8.00 - 8.63	203 - 219
		B	8.54 - 10.10	216 - 257
10	250	**A**	10.00 - 11.10	254 - 282
		B	10.64 - 12.12	270 - 308
12	300	**A**	12.00 - 13.20	305 - 335
		B	12.62 - 14.32	321 - 364
12-14	300 - 350	**A**	14.73 - 15.65	374 - 398
16-18	400 - 450	**A**	17.40 - 18.88	442 - 480
18	450	**A**	19.5	495
20	500	**A**	21.6	549
24	600	**A**	25.8	655