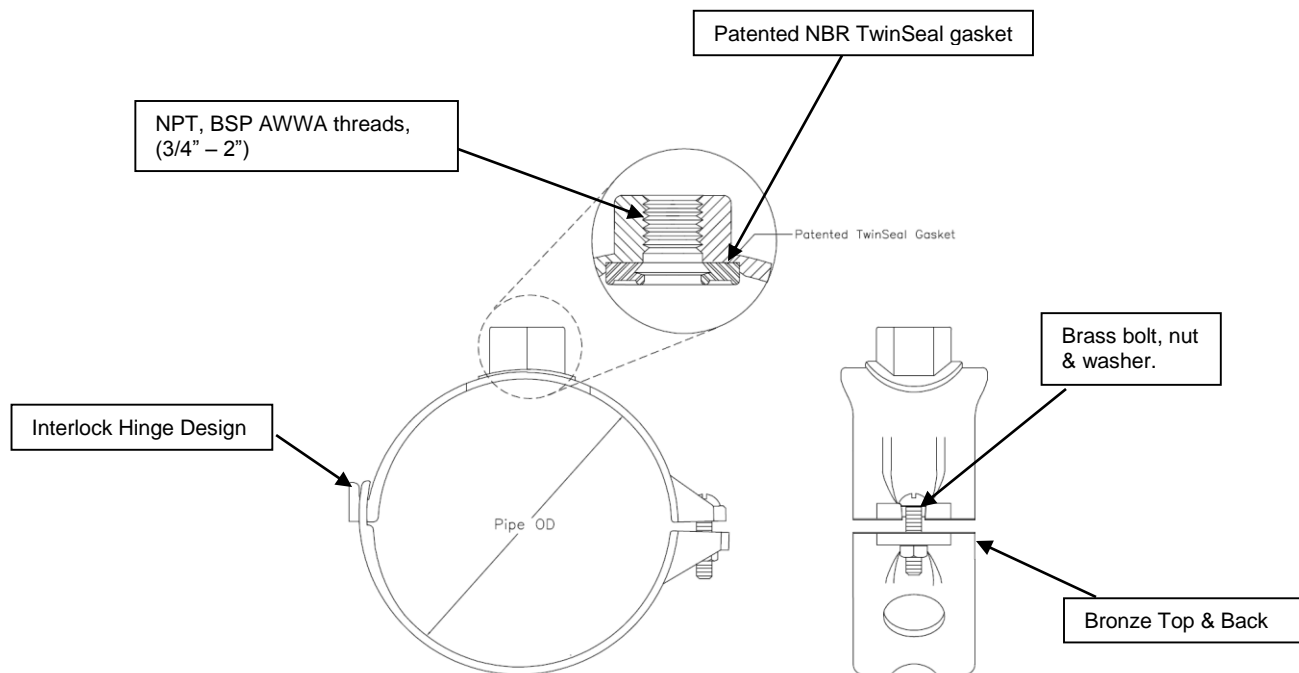


### Scope

The intent of the specification is to receive a 1.25" – 12" and up diameter bronze saddle. The saddle furnished shall be equivalent to model 3401 as manufactured by PowerSeal Pipeline Products Corporation.



Pipe Size		Pipe OD Range		Hardware
in.	mm.	in.	mm.	Bolt Size
1 1/4	32	1.66	42	5/16" X 2"
1 1/2	40	1.9	48	5/16" X 2"
2	50	2.38	60	5/16" X 1.5"
2 1/2	65	2.88	73	5/16" X 1.5"
3	80	3.5	84	5/16" X 1.5"
3 1/2	90	4	101	3/8" X 2"
4	100	4.5	114	3/8" X 2"
5	125	5.56	141	3/8" X 2"
6	150	6.63	168	3/8" X 2"
8	200	8.63	219	3/8" X 2"
10	250	10.75	273	3/8" X 3"
12	300	12.75	324	3/8" X 3"



### ***Features and Benefits***

1. Materials do not compromise the integrity of the pipeline.
2. Heavy duty construction.
3. Saddles are available with NPT, BSP or AWWA (CC) tapped outlets  $\frac{3}{4}$ " – 2"
4. Patented NBR TwinSeal O-ring gasket design ensures a watertight seal to all classes of pipe using a combination of hydrostatic and mechanical forces.
5. Exceptionally malleable material to allow saddle to conform to pipe surface.

### ***Design and Material Specification***

1. The Bronze saddle shall meet or exceed all material specifications as listed below.
2. Top & back saddle parts are cast bronze and shall be attached by way of cast part hinge assembly, subsequently attached to the pipe by way of tightening bolt & nut assembly.
3. There shall be no paper or plastic adhesive labels attached to the Saddle, any information appearing on the saddle shall be stenciled.
4. The body of the saddle shall be Bronze (85-5-5-5) AWWA C800, top and back.
5. The saddle shall have a TwinSeal NBR gasket ASTM D2000, permanently attached to the panel at the factory.  
The TwinSeal gasket shall be our patented design in NBR. It shall be free from porous areas, foreign material, and visible defects, all made from 100% new rubber. NBR resists temperatures of -25 to +248°

Material Specifications		
Part Name	Material	Mat. specs
Saddle Top	Waterworks Bronze	AWWA C800
Saddle Bottom	Waterworks Bronze	AWWA C800
Bolts	Silicon Bronze	ASTM B98
Nuts	Silicon Bronze	ASTM B98
TwinSeal Gasket	NBR	ASTM D2000

*Model 3401 Bronze Saddle for IPS PVC*

