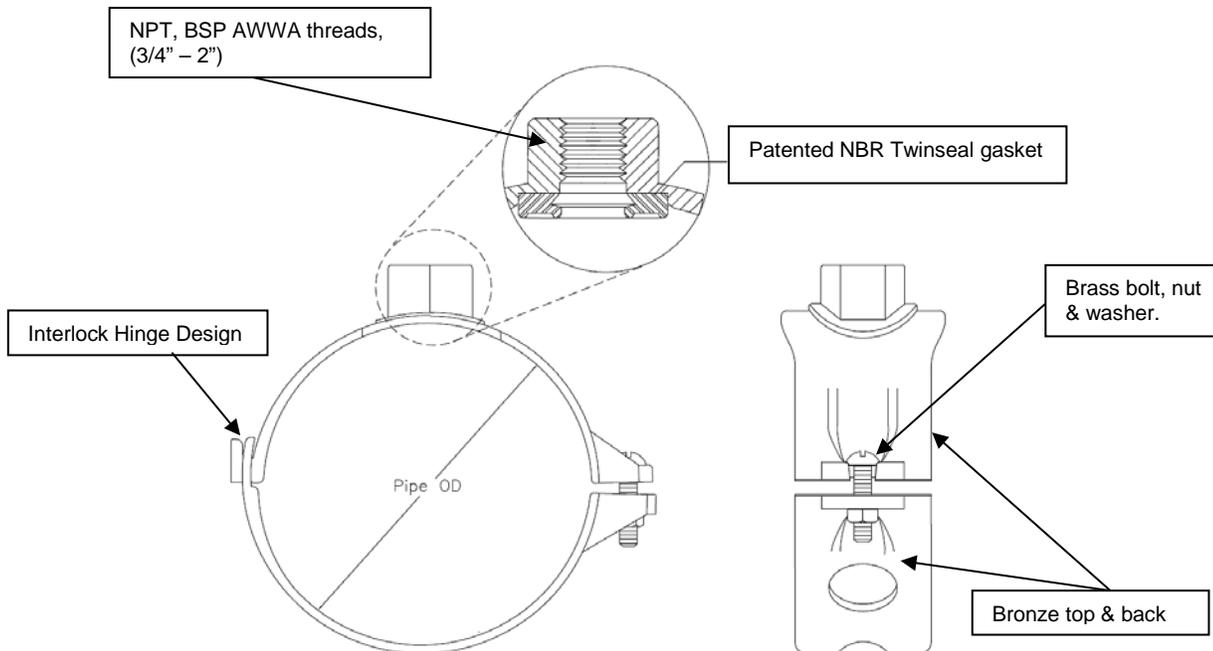


Features and Benefits

1. Unique, dual-lipped resilient rubber gasket assures watertight seal without excessive clamping pressure.
2. Brass material does not crush pipe out-of-round.
3. Simple bolt-and-nut clamping speeds assembly.
4. Water pressure in the main actually increases tightness of the seal.
5. Resiliency accommodates the plastic flow caused by changing temperature and pressure conditions.
6. Impossible to over torque due to screw head bolt design – no damaged pipe.
7. Provide full support around the circumference of the pipe.
8. Provide a bearing area of sufficient width along the axis of the pipe, 2 in (50 mm) minimum, insuring that the pipe will not be distorted when the saddle is tightened.



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	1.90	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	3.50	84	5/16" X 1.5"
3 1/2	90	4.00	101	3/8" X 2"
4	100	4.50	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"



Scope

The intent of the specification is to receive a 1.25” – 12” diameter bronze saddle to fit IPS/SCH40 OD PVC pipe. The saddle furnished shall be equivalent to model 3401 as manufactured by PowerSeal Pipeline Products Corporation.

Design and Material Specification

- The bronze saddle shall meet or exceed all material specifications as listed below:
 1. 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 with screw driver only.
 2. There shall be no paper or plastic adhesive labels attached to the saddle, any information appearing on the saddle shall be stenciled.
 3. The body of the saddle shall be bronze (85-5-5-5) AWWA C800, top and back.
 4. The saddle shall have a twinseal NBR gasket ASTM D2000.
 - Self-energizing dual lip compressive gasket affords additional positive sealing under hydrostatic pressure.
 - Requires less clamping pressure than a circular solid bead type of gasket
 - Gasket continues to open and seal with any pipe movement or change in pressure.
 5. Fully complies with AWWA C800.
 6. 3401 saddles are AIS compliant.

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

PowerSeal brass tapping saddles provides the easiest and best way to make services taps on PVC and fiberglass pipe. The cast brass saddle provides rigidity and strength without deforming the pipe. The dual-bead resilient rubber gasket assures positive sealing and the seal becomes tighter under the pressure of water in the main. Proved in thousands of installations.