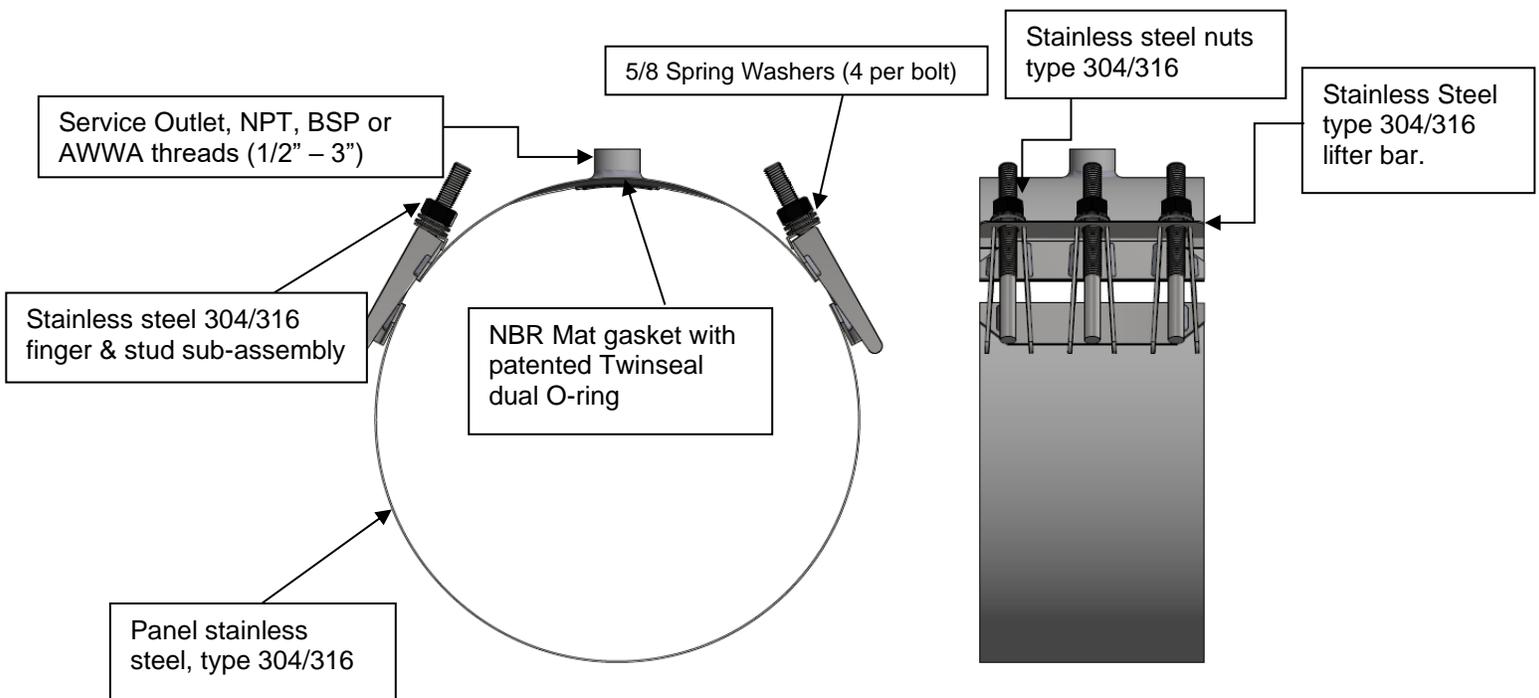


Features and Benefits

1. Materials do not compromise the integrity of the pipeline.
2. Captive finger stud sub-assembly design makes installation easy and eliminates loose pieces in the field.
3. Due to stainless steel panel construction saddles can be manufactured to fit any pipe diameter.
4. Saddles are available with NPT, BSP or AWWA (CC) tapped outlets 1/2" - 3".
5. Patented NBR tapered end O-ring mat gasket design ensures a watertight seal to all classes of pipe.
6. Stainless steel finger stud sub-assembly fitted with stainless steel washerbar to support nuts, and special delrin washers for extra lubrication.
7. Tapered end of gasket prevents potential rolling of O-ring during install.



3416AS			
Pipe Size		Pipe OD Range	
in.	mm.	in.	mm.
14A	350	14.00 - 15.20	356 - 386
14B	350	15.30 - 16.50	389 - 419
16A	400	16.60 - 17.80	422 - 452
18A	450	18.00 - 19.20	457 - 488
18B	450	19.50 - 20.70	495 - 526
20A	500	21.60 - 22.80	549 - 579

For 1/2" to 2" outlets, the panel width is 8"

For 3" outlets, the panel width is 12"

For 4" outlets, the panel width is 16"



**Working pressure
 Up to 250 PSI**

Scope

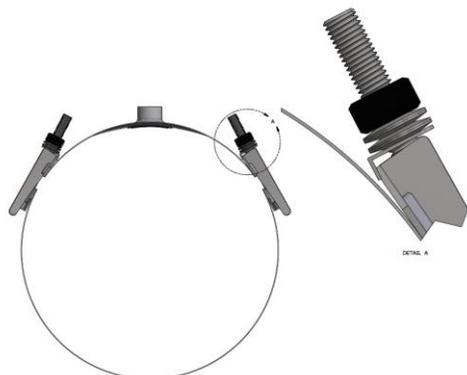
The intent of the specification is to receive a 14"- 20" diameter stainless steel saddle. The saddle furnished shall be equivalent to model 3416AS-PE as manufactured by PowerSeal Pipeline Products Corporation.

Design and Material Specification

The stainless steel saddle shall meet or exceed all material specifications as listed below:

1. The exterior band of the saddle shall be Type 304/316 (18-8) stainless steel.
2. The saddle shall have an O-ring mat gasket with tapered ends permanently attached to the panel at the factory.
 The O-ring mat 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. The NBR resists temperatures of -25 to +248°F.
3. Finger stud sub-assembly shall be permanently attached by way of welding during manufacture at the factory. The weld shall be fully passivated.
4. The stainless steel female outlet shall be permanently attached to the saddle via a fully passivated weld during manufacture at the factory.
5. Spring washers in stainless steel type 304 per ASTM A240.
6. There shall be no paper or plastic adhesive labels attached to the saddle, any information appearing on the saddle shall be stenciled.
7. Fully complies with AWWA C800 and NSF 61.

Material Specifications		
Part Name	Material	Mat. specs
Panel	Stainless Steel type 304	ASTM A240
Base Plates	Stainless Steel type 304	ASTM A240
Bolts	Stainless Steel type 304	ASTM A193
Nuts	Stainless Steel type 304	ASTM A194
TwinSeal Matt	NBR	ASTM D2000
Lifter bar	Stainless Steel type 304	ASTM A240
Spring washers	304 Stainless steel	ASTM A240



Waterworks pipes can experience changes due to temperature and pressure depending on the field conditions. High-Density Polyethylene Pipe (HDPE) possesses mechanical and thermal properties that cause the expansion or contraction of the pipe because of these changes. 3416AS-PE with spring washers design will support those possible pipe changes without compromising the tightness of the saddle.