

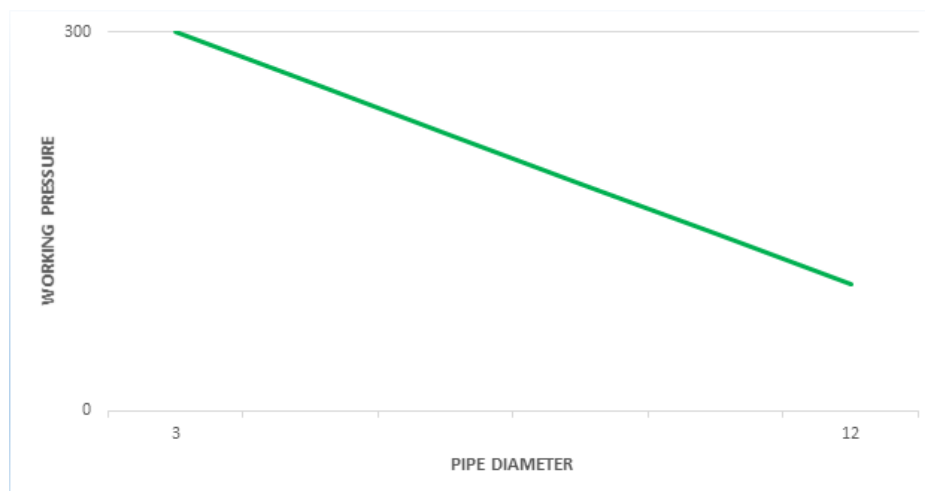
Scope

The intent of the specification is to receive 3" diameter and up all cast body stainless steel SaddleCorp. The SaddleCorp furnished shall be equivalent to Model 3450AS as manufactured by PowerSeal Pipeline Products Corporation.

Design and Material Specification

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

1. SaddleCorp should incorporate both saddle and corp stop in one single cast piece, and shall be stainless steel as per ASTM A743.
2. The saddle body shall have an O-ring gasket permanently attached to the casting at the factory. The TwinSeal o-ring gasket along with all seals shall be made from NBR, they shall be free from porous areas, foreign material, and visible defects, all made from 100% new rubber. NBR can resist temperatures between -40 to +248°F.
3. The MIG welded strap shall be constructed of stainless steel type 304 and shall include weld attached 5/8" stainless steel 304 stud bolts. All welds shall be passivated to return their inherent corrosive resistance.
4. Adhesive will be used on adapters to prevent disassembly during installation.
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. SaddleCorp is NSF/ANSI 61 certified where applicable.
7. Up to 300 psi taking into consideration of the installation, age and condition of pipe, backfilling procedures and pipe pressure ratings. See chart below.



Model 3450AS



Flare



PowerJoint - CTS



Pack joint - IPS/CTS

Material Specification

Part Name	Material	Mat. specs
SaddleCorp Body	Stainless Steel 18-8	ASTM A743
Strap	Stainless Steel Type 304	ASTM A240
Nuts & washers	Stainless Steel Type 304	ASTM A193
Corp gaskets	NBR	ASTM D2000
O-ring gasket	NBR	ASTM D2000
Parts (ball, adapter, key)	Stainless Steel 18-8	ASTM A743

Pipe Size		letter code	Pipe OD Range		Strap width
in.	mm.		in.	mm.	in.
3	80	B	3.45 - 4.05	88 - 103	1.5" each strap or 3" single wide strap small outlet 4" single wide strap big outlet
4	100	A	4.00 - 4.50	102 - 114	
		B	4.74 - 5.63	120 - 143	
6	150	A	6.00 - 6.63	152 - 168	
		B	6.84 - 7.64	174 - 194	
		C	6.63 - 6.90	168 - 175	
8	200	A	8.00 - 8.63	203 - 219	
		B	8.54 - 10.10	216 - 257	
		C	8.63 - 9.05	219 - 229	
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	