












High Density Polyethylene Pipe, Table One

COUPLING PRODUCT	PRODUCT TYPE (CATALOG BROCHURE)	APPLICATION	PIPE DR	FOR NOMINAL PIPE SIZES	WORKING PRESSURE**
 411***†	Steel coupling (CC 411)	Joining plain-end pipe with same outside diameter	7.3-32.5	2-36	150 PSI + according to design
 413***†	Steel transition coupling (CC 411)	Joining pipe of different outside diameters	7.3-32.5	2-36	150 PSI + according to design
 415***†	Steel reducing coupling (CC 411)	Joining pipe of different outside diameters	7.3-32.5	2-36	150 PSI
 441***†	Cast coupling (OMNI)	Joining pipe of same or different outside diameters	7.3-32.5	2-16	250 PSI
 442***†	Cast coupling (OMNI)	Joining pipe of same or different outside diameters	7.3-32.5	4-16	250 PSI
 461***†	Quantum coupling (CC-460)	Joining pipe of same or different outside diameters	7.3-32.5	2-12	250 PSI
 462***†	Quantum coupling (CC-460)	Joining pipe of same or different outside diameters	7.3-32.5	4-12	250 PSI
 611	Steel expansion joint coupling, flanged end (CC-611)	Absorbing concentrated pipe movement	7.3-32.5	2-36	150 PSI + according to design
 612	Steel double-end expansion joint, flanged end (CC-611)	Absorbing concentrated pipe movement	7.3-32.5	2-36	150 PSI + according to design
 EZ-W FCA***	Restrained flanged coupling adapter (CC-EZWFC)	Joining plain-end pipe to flanged valves and fitting	7.3-32.5	2-12	150 PSI + according to design
 913***†	Steel flanged coupling adapter (CC-900)	Joining plain-end pipe to flanged valves and fitting	7.3-32.5	2-36	150 PSI + according to design

*** All coupling and pipe joining products require properly sized pipe stiffeners.

† These products do not restrain axial pipe movement. Suitable anchorage must be provided where pipe movement could cause the pipe to move out of the coupling.

** Actual working pressure will vary depending on pipe wall thickness. Consult Smith-Blair for specific applications

* These products should not be used on CI size HDPE pipe.

High Density Polyethylene pipe (HDPE) is different from other types of pipe. Smith-Blair products will provide satisfactory performance when applied as recommended, but the following characteristics must be considered when selecting clamp and coupling products for use on HDPE pipe:

- Thermal expansion and contraction are greater, while yield strength and rigidity are lower.
- HDPE has a tendency to cold-flow over time when subjected to a constant load
- The surface finish of HDPE pipe has a low frictional coefficient and the pipe ends toe-in after being cut.

High Density Polyethylene Pipe, Table One, continued

COUPLING PRODUCT	PRODUCT TYPE (CATALOG BROCHURE)	APPLICATION	PIPE DR	FOR NOMINAL PIPE SIZES	WORKING PRESSURE**
914***†	Steel reducing flanged coupling adapter (CC-900)	Joining plain-end pipe to flanged valves and fitting	7.3-32.5	2-36	150 PSI + according to design
EZ***	Maxi-Grip EZ seal and restraint coupling Pipe IPS to IPS IPS to CI*	Joining plain-end pipe	7.3-21	1 1/4-12 IPS 2-8 CI Reducing only	150 PSI
C	Pipe Stiffeners I.D. of pipe required.	Pipe stiffener	All	All	N/A

*** All coupling and pipe joining products require properly sized pipe stiffeners.

† These products do not restrain axial pipe movement. Suitable anchorage must be provided where pipe movement could cause the pipe to move out of the coupling.

** Actual working pressure will vary depending on pipe wall thickness. Consult Smith-Blair for specific applications

* These products should not be used on CI size HDPE pipe.









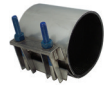

High Density Polyethylene pipe (HDPE) is different from other types of pipe. Smith-Blair products will provide satisfactory performance when applied as recommended, but the following characteristics must be considered when selecting clamp and coupling products for use on HDPE pipe:

- Thermal expansion and contraction are greater, while yield strength and rigidity are lower.
- HDPE has a tendency to cold-flow over time when subjected to a constant load
- The surface finish of HDPE pipe has a low frictional coefficient and the pipe ends toe-in after being cut.

High Density Polyethylene Pipe, Table Two

TAPPING PRODUCT	PRODUCT TYPE	APPLICATION	PIPE DR	FOR NOMINAL PIPE SIZES****	WORKING PRESSURE***
371	All stainless steel single bolt service saddle with stainless steel spring washers	Service Tap Outlet Sizes 1/2 thru 2	7.3-17	4-12	Up to 150 PSI
372	All stainless steel double bolt service saddle with stainless steel spring washers				
397	Ductile iron body with Flexi-Coat™ epoxy coating and stainless steel straps with stainless steel spring washers	Service Tap Outlet Sizes 3/4 thru 2 1/2	7.3-17	4-12	Up to 150 PSI
317	Double strap saddle with Flexi-Coat™ epoxy coating and wide stainless steel straps with stainless steel spring washers	Service Tap Outlet Sizes 5/8 thru 2 1/2	7.3-17	4-16	Up to 150 PSI

High Density Polyethylene Pipe, Table Three

REPAIR PRODUCT	PRODUCT TYPE	APPLICATION**	PIPE DR	FOR PIPE SIZES****	WORKING PRESSURE***
 226	Full Circle clamp with stainless steel spring washers	Splits and holes in pipe	7.3-11 7.3-17	2-3.50 4.00-14.00	Up to 255 PSI
 227	Super Range Full Circle clamp coupling with stainless steel spring washers	Splits and holes in pipe	7.3-11	4-14	Up to 175 PSI
 238	Tapped Full Circle clamp coupling with stainless steel spring washers	Leaks at service outlet	7.3-17	3-12	Up to 255 PSI
 239	Super Range Full Circle clamp coupling with stainless steel spring washers	Leaks at service outlet	7.3-11	4-14	Up to 175 PSI
 244/247	Full Circle Redi Clamp, stainless steel lugs, stainless steel washers (244) Full Circle Redi Clamp, stainless steel lugs, stainless steel washers (247)	Pin hole leaks and punctures in pipe	7.3-17	1/2-2	Up to 150 PSI
 245/248	Redi Clamp, stainless steel lugs, stainless steel washers (245) Redi Clamp, stainless steel lugs, stainless steel washers (248)	Pin hole leaks, punctures and splits in pipe	7.3-21	2-12	Up to 150 PSI
 256	Cast stainless steel, Full Circle clamp coupling with stainless steel spring washers	Corrosive environments	7.3-17	2-12	Up to 255 PSI
 257	Super range cast stainless steel, Full Circle clamp coupling with stainless steel spring washers			4-14	Up to 175 PSI
 261	All stainless steel, Full Circle clamp coupling with stainless steel spring washers	Splits and holes in pipe	7.3-11	2-12	Up to 150 PSI
 262	Super range all stainless steel, Full Circle clamp coupling with stainless steel spring washers			3-12	
 264	All stainless steel tapped, Full Circle clamp coupling with stainless steel spring washers	Leaks at service outlet	7.3-17	3-12	Up to 155 PSI
 265	All stainless steel super range tapped, Full Circle clamp coupling with stainless steel spring washers			4-12	

*Bodies formed to fit exact pipe O.D. All clamping and Repair Products require Spring Washers.

**Full Circle Clamp coupling may be used to join pipe only when stiffeners are used in the pipe ends. These products do not restrain axial movement. Suitable anchorage must be provided where pipe movement could cause the pipe to move out of the coupling.

***Actual Working Pressure will vary depending on pipe wall thickness. Consult Smith-Blair for specific application

****Not for use on Copper tube size (CTS) polyethylene.