

PLIDCO® WELD+ENDS® COUPLING

Joins Piping Without Special Preparation of Pipe Ends

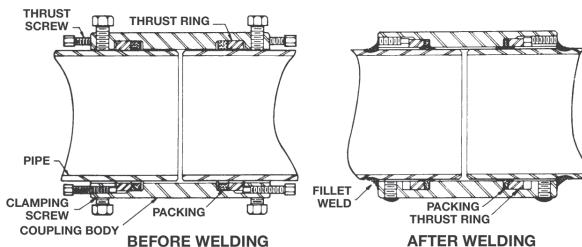
PLIDCO® Weld+Ends Coupling is a safe and quick way to connect pipes containing crude oil, gasoline, LNG, jet fuel, asphalt, steam, chemical process and other products so that flow can be resumed immediately.

No special preparation of pipe ends is required. Cut the pipe and slide on the PLIDCO® Weld+Ends Coupling. With clamping and thrust screws fully torqued the pipe is joined and leakproof seals are engaged.

PLIDCO® Weld+Ends Coupling can be left with screws torqued only or they can be welded depending on the MAOP of the Pipe Not Anchored or Pipe Anchored rating that needs to be achieved. Refer to the chart in the installation instructions for recommended Anchored and Unanchored pressures as well as welding instructions. If welding is required the pipeline can be under pressure.

Available in standard sizes from 1-1/2" through 48". Special sizes, diameters, pressures and lengths can be designed to customer specifications. Buna-N packing/seal material is standard and others are available based on temperature and what is running through the line.

Standard PLIDCO® Weld+Ends Couplings have a single row of clamping screws at each end. Where excessive end-pull loads are an issue and it is not feasible to weld, additional rows of clamping screws can be provided or a PLIDCO® Clamp+Ring may be used.



Standard Body Materials:

- SA-A106 Gr. C
- SA-A105/A350 Gr. LF2

Options:

- Marine epoxy paint for corrosion protection
- NACE MR0175/ISO 15156 compliant material
- Underwater Weld+Ends that are designed with a double row of clamps screws and 12" between seals

***PIPE NOT ANCHORED:** A joint in which the pipe ends could move when subjected to internal or external forces, such as internal pressure, temperature expansion and contraction, underwater currents, ground movement or any combination thereof. Working pressure for "Pipe Not Anchored": sizes 1-1/2" thru 3" is based on wall thickness of Schedule 80 pipe and heavier; 4" and larger, on wall thickness of Schedule 40 or 1/2", whichever is less.

***PIPE ANCHORED:** A joint in which the pipe ends would not move when subjected to these same forces. If the PLIDCO® Weld+Ends Coupling is welded or a suitable PLIDCO® Clamp+Ring is used, it can be considered an anchored joint.



MAXIMUM ALLOWABLE OPERATING PRESSURE - MAOP						
API Pipe Sizes	O.D.	Length Between Packing	Approx. Overall Length	Pipe Anchored or Welded (PSI)	Pipe Not Anchored (PSI)	Approx. Wt. Lbs.
1-1/2"	3-1/4"	2"	6-13/16"	2000	2000	12
2"	3-3/4"	2"	6-13/16"	2000	2000	13
2-1/2"	4-1/2"	2"	6-13/16"	2000	1848	14
3"	5"	2"	6-13/16"	2000	1247	16
4"	6"	3-1/8"	8-1/2"	2000	1131	30
6"	8-1/2"	3-5/8"	9"	2000	696	60
8"	11"	3-3/4"	10"	2000	513	105
10"	13"	4-1/8"	10-1/2"	1500	396	120
12"	14-7/8"	4-1/8"	10-1/2"	1200	328	140
14"	16-1/2"	4-5/8"	14"	1200	311	225
16"	18-1/2"	4-5/8"	14"	1200	238	250
18"	21"	5-9/16"	16"	1200	251	395
20"	23-1/2"	5-9/16"	16"	1200	203	520
22"	25"	5-9/16"	16"	1200	252	475
24"	27-1/8"	5-9/16"	16"	1200	212	540
26"	29"	5-9/16"	16"	1000	180	555
28"	31-1/8"	5-9/16"	16"	1000	155	635
30"	33-1/8"	5-9/16"	16"	1000	135	665
32"	35-1/4"	5-9/16"	16"	1000	159	740
34"	37-3/8"	5-9/16"	16"	1000	140	815
36"	39-1/2"	5-9/16"	16"	1000	125	895
38"	41-3/8"	5-9/16"	16"	900	126	905
40"	43-1/4"	5-9/16"	16"	800	114	915
42"	45-3/4"	5-9/16"	16"	960	103	1115
46"	49-1/8"	5-9/16"	16"	650	101	1000
48"	51-1/8"	5-9/16"	16"	600	92	1045

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