

Golf  
Irrigation

# Golf Irrigation

## No Joints. No Leaks. No Breaks.

The weakest point of any golf course irrigation system is found within the main piping itself. Leaky joints caused by water hammer- the sudden water and air surge inside the system- and early spring turn-ons can mean costly, disruptive repairs.

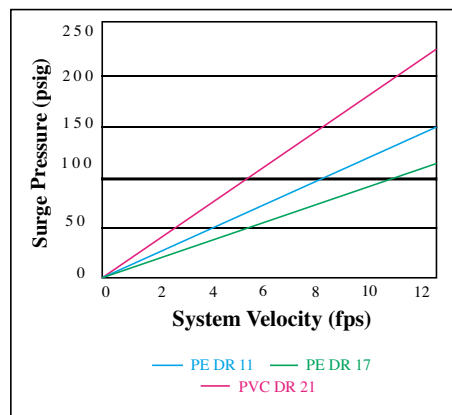
### No joints. No leaks.

Durable, flexible ISCO HDPE pipe sections are actually butt-fused together to become one continuous pipe, with the fused area becoming even stronger than the piping itself. Conventional irrigation pipe contains joints, proven to be the weakest spots in the entire system.

### The culprit: Water Hammer

The most common cause of breaks and leaks in conventional golf course piping is water hammer. ISCO HDPE pipe, because of its elasticity and other durable properties, effectively reduces the surge pressure caused by the constant stop and go flow of air and water through the pipe. And, since fused ISCO HDPE pipe is "jointless" there are no weak spots to fail.

### Water Hammer



### HDPE is ideal for:

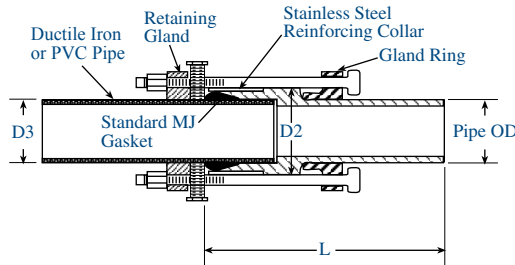
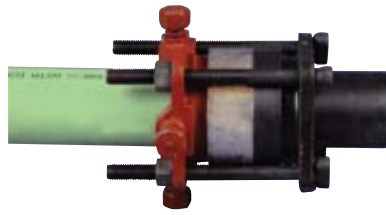
- Main line piping
- Lateral piping
- Pump station wet wells
- Pump intake piping & floats
- Pump discharge piping
- Wetland piping
- Creek crossings
- Bridge crossings
- Road crossings
- Lake / Pond trickle tube

Please refer to HDPE Pipe Section (Page 10) for additional information related to pipe sizes and materials. Also refer to the IPS HDPE Fittings Section (Page 24) for fitting selection and dimensions.

1-800-345-ISCO

[www.isco-pipe.com](http://www.isco-pipe.com)

IPS Bell MJ Adapter with Kit



Kit Contains:

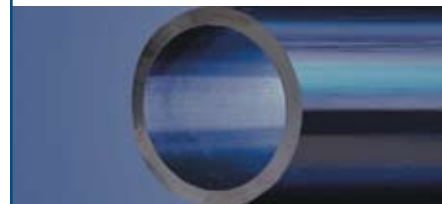
- HDPE Bell MJ Fitting with stainless, reinforced support ring
- Ductile iron, C110, heavy body gland ring
- Gasket
- Special Extra Long T-bolts
- Mechanical Joint Restraint for PVC

Note: Also available for connecting to Ductile Iron pipe.

For connecting to PVC Pipe

IPS Bell MJ Adapter with Kit for PVC Pipe										
Nominal Pipe Size(in)	DR OD(in)	DR	Pressure Rating	Part #	Dimensions			Weight (lbs)	Shipping Method	
					L (in)	D2 (in)	D3 (in)			
2	2.38	11	160	ISMFMJ02IPSBELL	8	3.5	2.61	15	FedEx	
3	3.5	11	160	ISMFMJ03IPSBELL	8	5.37	3.97	20	FedEx	
4	4.5	11	160	ISMFMJ04IPSBELL	8	6.63	4.81	25	FedEx	
6	6.63	11	160	ISMFMJ06IPSBELL	10	8.63	6.92	35	FedEx	
8	8.63	11	160	ISMFMJ08IPSBELL	11	10.75	9.05	55	FedEx	
10	10.75	11	160	ISMFMJ10IPSBELL	11	12.75	11.13	70	FedEx	
12	12.75	11	160	ISMFMJ12IPSBELL	13	15.35	13.24	95	FedEx	

\* ALL WEIGHTS INCLUDE GLAND PACKS AND MJ RESTRAINT



Golf Irrigation



1-800-345-ISCO

www.isco-pipe.com

**Electrofusion Saddles**



An electrofusion saddle is an excellent way to connect threaded saddle valves to ISCO HDPE pipe. The saddle requires a small number of tools to install. Saddles are available with a female threaded outlet 3/4"- 2" sizes. Tools needed to install the saddle are the electrofusion processor, hole cutter, and manufacturers' clamping assembly (when not integral with the saddle).

Electrofusion Saddles		
Saddle Size	Item No.	Ship
4" x 1"	ELEFSA04X01IP	FedEx
4" x 1-1/2"	ELEFSA04X015IP	FedEx
4" x 2"	ELEFSA04X02IP	FedEx
6" x 1"	ELEFSA06X01IP	FedEx
6" x 1-1/2"	ELEFSA06X015IP	FedEx
6" x 2"	ELEFSA06X02IP	FedEx
8" x 1"	ELEFSA08X01IP	FedEx
8" x 1-1/2"	ELEFSA08X015IP	FedEx
8" x 2"	ELEFSA08X02IP	FedEx
10" x 1"	ELEFSA10X01IP	FedEx
10" x 1-1/2"	ELEFSA10X015IP	FedEx
10" x 2"	ELEFSA10X02IP	FedEx
12" x 1"	ELEFSA12X01IP	FedEx
12" x 1-1/2"	ELEFSA12X015IP	FedEx
12" x 2"	ELEFSA12X02IP	FedEx

Golf Irrigation

1-800-345-ISCO

www.isco-pipe.com

**JCM 404 Service Saddle with Double Stainless Steel Straps**



- Heavy duty double strap saddle body
- Extra Wide stainless steel straps
- Gasket seal
- Available with corrosion resistant shop coat primer or heavy resilient plastic coating

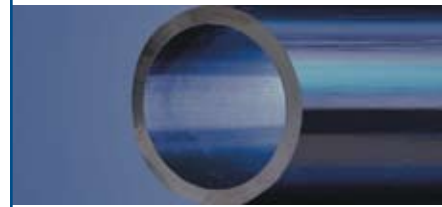
JCM 404 Service Saddle with Double Stainless Steel Straps		
Saddle Size	Item No.	Ship Method
4" x 1"	JCM404-0450X08	FedEx
4" x 2"	JCM404-0450X14	FedEx
4" x 2 1/2"	JCM404-0450X16	FedEx
6" x 1"	JCM404-0663X08	FedEx
6" x 2"	JCM404-0663X14	FedEx
6" x 2 1/2"	JCM404-0663X16	FedEx
8" x 1"	JCM404-0863X08	FedEx
8" x 2"	JCM404-0863X14	FedEx
8" x 2 1/2"	JCM404-0863X16	FedEx
10" x 1"	JCM404-1075X08	FedEx
10" x 2"	JCM404-1075X14	FedEx
10" x 2 1/2"	JCM404-1075X16	FedEx
12" x 1"	JCM404-1320X08	FedEx
12" x 2"	JCM404-1320X14	FedEx
12" x 2 1/2"	JCM404-1320X16	FedEx

**Swing Joint Saddle to HDPE Pipe Systems**



- Pressure rating at 235 psi
- 316 Stainless Steel hardware is captured or retained no loose piece to drop
- Molded Seal to compensate for burrs and misaligned holes.
- Uses Standard 1 1/2" hole saw for HDPE pipe.
- Use swing joints with "P" inlet connection.

Swing Joint Saddle		
Saddle Size	Part No.	Ship Method
2" x 1-1/2"	SWJSA02X015IP	FedEx
3" x 1-1/2"	SWJSA03X015IP	FedEx
4" x 1-1/2"	SWJSA04X015IP	FedEx



Golf Irrigation

1-800-345-ISCO

www.isco-pipe.com