



Certa-Lok® Yelomine® Specifications & Dimensions Restrained Joint PVC Pressure Piping System

GENERAL INFORMATION

The Certa-Lok Restrained Joint System provides a noncorrosive restrained joint by utilizing precision-machined grooves on the pipe and in the bell/coupling that, when aligned, allow a spline to be inserted, locking the pipe and bell/coupling together. A flexible elastomeric seal (O-ring) in the coupling provides a hydraulic seal.

Certa-Lok Yelomine pipe and couplings are manufactured from our specially formulated Yelomine PVC compound that contains impact modifiers and ultraviolet inhibitors to give higher impact strength over an extended period of time. Our Yelomine PVC compound meets or exceeds cell classification 12454 per ASTM D1784.

Short Form Specifications

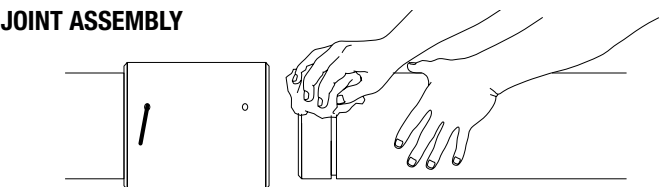
Pipe Standard:	ASTM D2241
Diameter Standard:	Iron Pipe Size (IPS)
Standard Lay Length:	20'
Pipe Compound:	ASTM D1784 Class 12454 with Yelomine Technology
Pipe Joint Std.:	ASTM D3139
Gasket Standard:	ASMT F477
Installation Std.:	ASTM D2774

Applications	Potable Water	Waste-water	Reclaimed Water
Color:	Yellow	Green	Purple
Certifications:	NSF 61	None	None

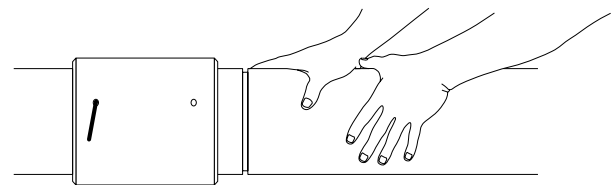
Table of Contents

Bending	2
Restrained Joint Integral Bell (RJIB).....	4
Restrained Joint (RJ).....	5
Nipples	7
Fluid-Tite, High-Deflection, Stop & Repair Couplings.....	9
Expansion & Tapped Couplings.....	10
Transition Fittings.....	12
Wyes & Tees	16
Elbows.....	17
Sweeps.....	18

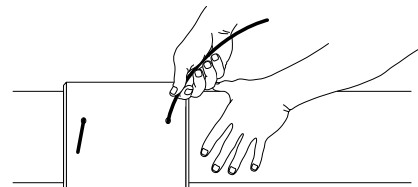
JOINT ASSEMBLY



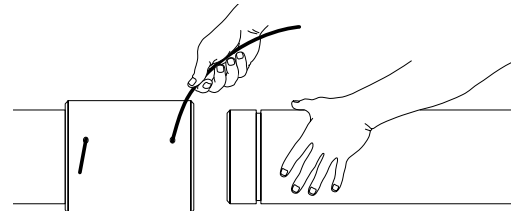
- 1**
Clean and adequately lubricate pipe spigot and O-ring gasket sealing surface.



- 2**
Arrange pipe and coupling such that they are in straight alignment. Insert pipe into Certa-Lok bell/coupling by applying evenly distributed, continuous pressure across the joint. Pipe and bell/coupling should be protected from damage during joint assembly.



- 3**
The spline is then inserted through the insertion hole in the bell/coupling, until it is fully seated. This securely locks the joint. The gasket provides a hydraulic seal.



- 4**
When needed, the joint can be disassembled and reused.
Note: Disassembly of permanent joints may require substantial force. O-rings and splines should be inspected upon disassembly and replaced if damaged for both non-permanent and permanent style joints.



Certa-Lok® Yelomine® Specifications & Dimensions

Restrained Joint PVC Pressure Piping System

D2241/RJ CERTA-LOK YELOMINE ACCESSORIES												
Application	Nom. Size	Couplings¹			Splines				Gaskets			
		Material	Max. Pressure (psi)	Part Number	Material	Size	Length	Part Number	Material	Shape	Size	Part Number
Permanent Standard	2"	PVC	250	82157715020	Nylon	0.188 Dia.	10.5	S0210RNO	NBR	Round	0.240	OR020YMPI
	3"	PVC	250	82157715037	Nylon	0.250 Dia.	16	S0316RNO	NBR	Round	0.240	OR030YMPI
	4"	PVC	250	82157715044	Nylon	0.250 Dia.	18	S4518RNO	NBR	Round	0.240	OR040YMPI
			350	82157745232	Nylon	0.250x0.250	18	S0418SNO				
	6"	PVC	250	82157715068	Nylon	0.250 Dia.	24	S0624RNO	NBR	Round	0.313	OR060YMPI
			315	82157745249	Nylon	0.250x0.250	24	S0624SNO				
			350	Contact	Contact Customer Service							
	8"	PVC	250	82157715075	Nylon	0.313x0.313	32	S0832SN1	NBR	Round	0.400	OR080YMPI
			315	82157745256				S0832SN1				
			350	Contact	Contact Customer Service				Contact Customer Service			
	10"	PVC	200	82157715105	Nylon	0.375x0.375	39	S1039SNO	IR/SBR	Round	0.438	OR100YMPI
	12"	PVC	200	82157716652	Nylon	0.375x0.625	46	S1246TNO	IR/SBR	Round	0.438	OR120YMPI
	14"	PVC	160	82157745218	Nylon	0.375x0.375	48	S1448SNO	IR/SBR	Round	0.438	OR140YMPI
16"	PVC	90	82157745225	Nylon	0.375x0.625	60	S1656TNO	IR/SBR	Round	0.438	OR160YMPI	
	Fiberglass Composite	200	82157745409									
Non-Permanent Standard	2"	PVC	250	82157705021	Nylon	0.188 Dia.	10.5	S0210RNO	NBR	Round	0.210	OR020YMNN
	3"	PVC	250	82157705038	Nylon	0.250 Dia.	16	S0316RNO	NBR	Round	0.210	OR030YMNN
	4"	PVC	250	82157705045	Nylon	0.250 Dia.	18	S4518RNO	NBR	Round	0.210	OR040YMNN
			350	82157745034	Nylon	0.250x0.250	18	S0418SNO				
	6"	PVC	250	82157705069	Nylon	0.250 Dia.	24	S0624RNO	NBR	Round	0.275	OR060YMNN
			315	82157745041	Nylon	0.250x0.250	24	S0624SNO	NBR	Round	0.275	OR060YMNN
			350	82157745096	Nylon	0.250x0.375	32	S0832SN1	NBR	Round	0.275	OR060YMNN
	8"	PVC	250	82157705076	Nylon	0.313x0.313	32	S0832SN1	NBR	Round	0.375	OR080YMNI
			315	82157745058				S0832SN1				
			350	82157745102	Nylon	0.375x0.625	32	S0832TN2				
	10"	PVC	200	82157705106	Nylon	0.375x0.375	39	S1039SNO	IR/SBR	Round	0.407	OR100YMNI
	12"	PVC	200	82157716669	Nylon	0.375x0.625	46	S1246TNO	IR/SBR	Round	0.407	OR120YMNI
	14"	PVC	160	82157745218	Nylon	0.375x0.375	48	S1448SNO	IR/SBR	Round	0.407	OR140YMNI
	16"	PVC	90	82157745027	Nylon	0.375x0.625	60	S1656TNO	IR/SBR	Round	0.407	OR160YMNI
		Fiberglass Composite	200	82157745416								

Note:

1. Some coupling sizes are supplied with a molded coupling, instead of a fabricated coupling.

