

CertainTeed

Certa-Lok™ Restrained-Joint Pipe

Trenchless Water and Sewer Applications



CertainTeed
SAINT-GOBAIN

Certa-Lok™ Restrained-Joint Pipe for Trenchless Water and Sewer Applications

Check These Advantages of CertainTeed Certa-Lok PVC Pipe for Trenchless Installations

- Keeps system 100 percent PVC
- Certa-Lok PVC pipe joints are extremely strong
- C900/RJ pipe is UL listed
- Restrained joints connect quickly
- Pipe sections do not have to be assembled prior to installation, saving time, space, and requiring less pull-in force
- Simple pipe attachment to drill rod
- Pipe will not stretch excessively during installation



Pipe Assembly, Installation

- Before connecting pipe sections, make certain there is no dirt or foreign material in gasket grooves and that gaskets are in place.
- Do not lubricate nylon splines before inserting into couplings. Use a spline insertion tool if necessary for pipe 8 inches and larger in diameter.
- Do not exceed maximum pulling forces listed in the table below.
- Never bend pipe to tighter radius than listed in charts.
- After pipe pull-in is complete, apply push force on pipe to relieve any stretch that may remain in pipe.

Installation Specifications (See product brochures for further details)

Certa-Lok™ PVC Pipe Products

C900/RJ, C905/RJ												
Size	Pipe O.D.	DR	Note	Pressure			Min. Wall Thickness	Coupling O.D.	Tightest Permissible Bend		Maximum Pull-In Force, Tightest Bend Radius lbs.	Maximum Pull-In Force, Straight Pull (No Bending) lbs.
				Value (psi)	C900 Class	C905 Rating			Radius, ft.	% Change in Pitch per 10'		
4"	4.800	18	2	150	x		0.267	5.964	100	10.0	6,700	8,200
6"	6.900	18	2	150	x		0.383	8.366	150	6.7	9,000	12,800
8"	9.050	18	2	150	x		0.503	10.947	200	5.0	18,000	25,200
10"	11.100	18	2	150	x		0.617	13.361	250	4.0	25,600	35,200
12"	13.200	18	2	150	x		0.733	15.836	300	3.3	26,440	41,100
4"	4.800	14	2	200	x		0.343	5.964	100	10.0	8,000	10,300
6"	6.900	14	2	200	x		0.493	8.366	150	6.7	9,300	14,700
8"	9.050	14	2	200	x		0.646	10.947	200	5.0	18,900	28,800
10"	11.100	14	2	200	x		0.793	13.361	250	4.0	24,900	38,300
12"	13.200	14	2	200	x		0.943	15.836	300	3.3	28,300	48,300
New! C905/RJ 16"	17.400	25	3	165		x	0.696	18.624	450	2.2	44,000	68,500
16"	17.400	18	3	235		x	0.967	18.624	450	2.2	44,000	68,500

Yelomine (ASTM D2241)												
Size	Pipe O.D.	SDR	Note	Pressure Rating, psi	Min. Wall Thickness	Bell/Coupling O.D.	Tightest Permissible Bend		Maximum Pull-In Force, Tightest Bend Radius lbs.	Maximum Pull-In Force, Straight Pull (No Bending) lbs.		
							Radius, ft.	% Change in Pitch per 10'				
2"	2.375	17	2	250	0.140	3.200	60	16.8	1,600	1,900		
3"	3.500	17	2	250	0.206	4.380	90	11.2	4,500	5,200		
4"	4.500	21	1	200	0.214	5.112	100	10.0	6,800	8,700		
4"	4.500	17	1	250	0.265	5.264	100	10.0	6,800	9,000		
6"	6.625	21	1	200	0.315	7.500	150	6.7	7,100	10,900		
6"	6.625	17	1	250	0.390	7.737	150	6.7	9,000	15,000		
8"	8.625	21	1	200	0.411	9.750	200	5.0	14,800	20,600		
8"	8.625	17	2	250	0.507	10.190	200	5.0	10,700	17,200		
10"	10.750	21	2	200	0.512	12.438	250	4.0	20,400	27,200		
12"	12.750	21	2	200	0.607	14.648	300	3.3	21,000	31,500		
16"	16.000	26	2	90	0.615	17.400	400	2.5	14,100	27,000		
New 16"	16.000	26	3	160	0.615	17.500	400	2.5	45,000	57,000		
16"	16.000	21	3	200	0.762	17.500	400	2.5	45,000	57,000		

① Integral Bell PVC Products ② PVC Coupling ③ Composite Coupling

Note: Excessive mud pressure can damage thinner wall products, which have lower collapse resistance ratings.

Therefore, caution must be exercised if SDR26 or DR25 products are used for directional drilling applications.

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