

Certa-Lok® Large Diameter Well Casing

Certa-Lok® Large Diameter Well Casing is an ideal contractor-proven solution to address the increasing demand for water.

North American Pipe Corporation is proud to announce the addition of 24" PVC well casing to our already successful product line. Certa-Lok® 24" Well Casing will allow the use of larger pumps to gain more production volume.

New 24" PVC Well Casing Coupling

- Supports up to 1,000' of casing coupling
- Lowers per-foot cost



24" Certa-Lok® Well Casing with Fiberwound Coupling



Building Responsibly With PVC Pipe

Certa-Lok Well Casing is:

- Easy to handle
- Reliable
- Cost effective
- Adaptable
- Easy to remove

With Certa-Lok Well Casing, forget about:

- Solvents
- Arc welding
- Reinforcement screw attachments
- Weather conditions

PVC Advantages

- Smooth and corrosion-resistant PVC lowers friction loss compared to other casing materials and reduces energy costs
- Durability and long life: The number of recorded failures in PVC pipes is low compared to other materials (Utah State University, 2012)
- PVC is often used to pump reclaimed, treated wastewater for applications such as irrigation of parks – conserves highly treated, expensive drinking water

NOMINAL SIZE DESIGNATION	O.D. SIZE	CLASS	T MIN. WALL	I.D.		COUPLING B.O.D.	R.H.C.P. (PSI)	MAX TENSILE PULL (LBS)	MAX INTERNAL PRESSURE (PSI)	APPROX. WEIGHT LBS/FT	PART NO.
				MIN.	MAX.						
14"	14.0"	SDR17	0.823	12.105	12.354	16.000	215	36,440	150	22.55	657115
16"	16.0"	SDR26	0.616	14.544	14.768	17.400	58	35,200	150	20.48	652813
		SDR17	0.941	13.855	14.118	17.400	215	35,200	150	31.66	654718
17.4" O.D.	17.4"	SDR17	1.024	15.079	15.352	18.701	215	37,000	125	34.43	657214
24"	24.0"	SDR17	1.412	20.767	21.176	Refer to Coupling chart below	215	Refer to Coupling chart below	200	66.50	657221

R.H.C.P. = Resistance to Hydraulic Collapse Pressure (predicted failure point at room temperature - no safety factor included). See brochure on the Selection of PVC Well Casing Based on Hydraulic Collapse Considerations for additional details.

Notes: Dimensions in all tables are in inches. All dimensions and weights are subject to manufacturing tolerances.

Standard laying length = 20'. Short-term pressure ratings shown apply to well casing installation only.

Max. tensile pull values include a minimum 1.5:1 safety factor.

Max. suspension – 24" PVC coupling 700' @ 2:1 safety factor, 1000' @ 1.45:1 safety factor. 24" fiberglass coupling 1300' @ 2:1 safety factor.

Note: Allowable Suspension Depths assume a dry borehole – buoyancy may allow deeper settings.

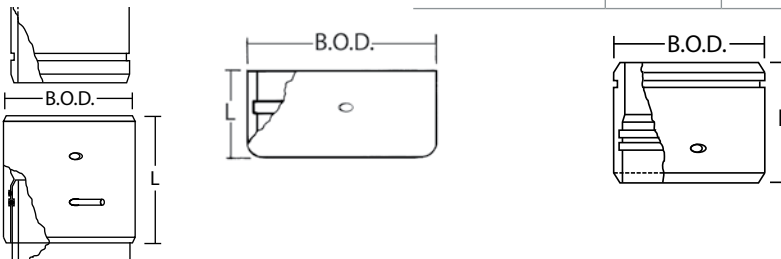
O.D. SIZE	SPLINE		O-RING (GASKET)		
	CONFIG.	PART NUMBER	C/S	COLOR	
14.0"	.375 ①	861710	0.375	Green	
16.0"	.375 ①	861727	0.375	Green	
17.4"	.375 ①	861734	0.407	Green	
24.0" F	.375 x .625 ②	861819	0.438	Green	
24.0" P	.375 x .625 ②	861819	0.438	Green	

COUPLING Includes gaskets and splines				
O.D. SIZE	PART NUMBER	L	B.O.D.	MAX TENSILE PULL (LBS)
14.0"	707100	12.0	16.000	36,440
16.0"	707117	12.0	17.400	35,200
17.4"	707193	12.0	18.701	37,000
24.0" F ③	741289	13.0	25.375	87,000
24.0" P ③	741326	13.25	25.800	48,000

CASINGS & SCREEN CAP Certa-Lok Bell (includes spline)			
O.D. SIZE	PART NUMBER	L	B.O.D.
14.0"	810701	5.00	15.3
16.0"	810718	5.25	17.4
17.4"	810725	5.50	18.7

REDUCER BUSHING Certa-Lok Spigot by Certa-Lok Bell (includes gasket and spline)			
O.D. SIZE	PART NUMBER	L	B.O.D.
14.000" x 12.750"	712302	12.0	14.0
16.000" x 14.000"	712326	12.0	16.0
17.400" x 16.000"	712319	12.0	17.4

- ① Square Spline
- ② Rectangular Spline
- ③ F=Fiberglass P=PVC



1/4" & 1/2" SLOT SPACING									
NOM. SIZE	OD	NUMBER OF SLOT ROWS	CLASS	JOINT AVAILABILITY	O.D. OPEN AREA (IN ² /FOOT OF SLOTTED CASING)				
					SLOT WIDTH @ 1/4" SLOT SPACING				SLOT WIDTH @ 1/2" SLOT SPACING
					0.032	0.040	0.050	0.085	
14"	14.000	8	SCH 40	SW	40.7	49.4	59.7	90.8	
			SDR 17	CL	42.1	51.1	61.7	93.9	
16"	16.000	10	SCH 40	SW	47.6	57.9	69.9	106.5	
		10	SDR 26†	SW, CL	59.6	72.4	87.4	133.1	
		8	SDR 17	CL	44.5	54.1	65.3	105.0	
17.4"	17.400	8	SDR 17	CL	44.5	54.1	72.6	110.5	78.3
24"	24.000	8	SDR 17	CL				143.4	

Key:
 SW = Sure-Fit Solvent Weld Belled End
 CL = Certa-Lok Restrained Joint w/ coupling

Notes:
 1. All dimensions are in inches unless otherwise specified.
 2. Specifications subject to change. Standard manufacturing tolerances apply.



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