

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.

NAPCO 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.

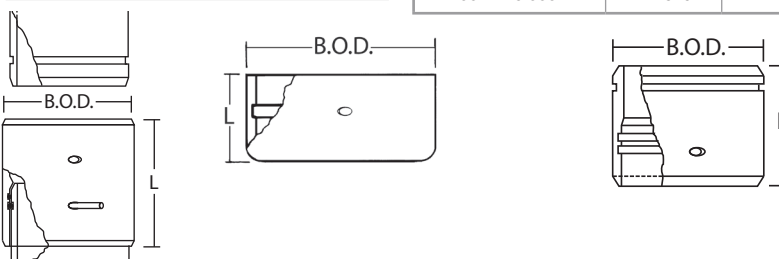
| O.D. SIZE | SPLINE | | O-RING (GASKET) | | |
|-----------|---------------|-------------|-----------------|-------|--|
| | CONFIG. | PART NUMBER | C/S | COLOR | |
| 14.0" | .375 ① | 861710 | 0.375 | Green | |
| 16.0" | .375 ① | 861727 | 0.375 | Green | |
| 17.4" | .375 ① | 861734 | 0.407 | Green | |
| 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.

