

## PRODUCT OVERVIEW

# CERTA-LOK® PVC WELL CASING

Industry Standard for Quick, Easy, Time Saving Installation

Westlake Pipe & Fittings provides a wide assortment of PVC pipe products for the drinking water, aquifer storage and recovery system, geothermal standing column and agricultural irrigation well markets, including Certa-Lok restrained joint well casing and drop pipe with sizes ranging from 2" to 17.4".

### The Certa-Lok® Difference

Certa-Lok PVC Well Casing represents a new evolution in well products, offering distinct advantages that will boost your bottom line:

- **Cost effective** – Lower installed cost on an annualized basis compared to conventional casing.
- **Reliable** – The Certa-Lok joint has been used for over 40 years in demanding water supply applications.
- **Easy to handle** – Weight is much less than comparable steel casing.
- **Instant joint** – Joint achieves full strength immediately upon assembly in all weather conditions.
- **Weather resistant** – Heat, cold, moisture, humidity, and wind do not affect Certa-Lok PVC Well Casing assembly or disassembly.
- **Solvent-free, environmentally sound** – The environmentally acceptable Certa-Lok joint is ideal for monitoring well applications.
- **Adaptable** – A full line of Certa-Lok adapters facilitates connection to plain-end PVC casing and threaded casing.
- **Easy removal** – Certa-Lok casing can be quickly disassembled and removed from the bore hole without having to cut joints. Reinstallation does not require the use of special solvent weld couplings.



Certa-Lok Dimensions, Weight & Performance Data

| Nom. Size  | O.D.   | Class         | Min. Wall Thickness | I.D. Min. | Bell O.D.              | Casing Weight lbs./ft. | Max. Tensile Strength (lbs.) | R.H.C.P. (psi) | Max. Internal Pressure (psi) | Part Number    |
|--|--------|---------------|---------------------|-----------|------------------------|------------------------|------------------------------|----------------|------------------------------|----------------|
| Certa-Lok Integral Bell                          |        |               |                     |           |                        |                        |                              |                |                              |                |
| 4"   | 4.500  | SCH 40        | 0.237               | 3.951     | 5.063                  | 2.09                   | 4,900                        | 152            | 115                          | 34S0400202100F |
| 4 1/2"   | 4.950  | SCH 40        | 0.248               | 4.368     | 5.563                  | 2.43                   | 4,700                        | 130            | 130                          | 34S04502021020 |
|  |        | SDR 17        | 0.291               | 4.272     | 5.625                  | 2.82                   | 6,300                        | 215            | 160                          | 34D04502021020 |
| 5"   | 5.563  | SDR 21/SCH 40 | 0.265               | 4.946     | 6.188                  | 2.92                   | 6,300                        | 111            | 130                          | 34G05002021020 |
|  |        | SDR 17        | 0.327               | 4.808     | 6.313                  | 3.56                   | 8,500                        | 215            | 180                          | 34D05002021020 |
|  |        | SCH 80        | 0.375               | 4.700     | 6.438                  | 4.05                   | 8,500                        | 329            | 215                          | 34T05002021020 |
| 6"   | 6.625  | SCH 40        | 0.280               | 5.970     | 7.313                  | 3.68                   | 8,500                        | 77             | 115                          | 34S06002021000 |
|  |        | SDR 21        | 0.316               | 5.890     | 7.375                  | 4.13                   | 8,800                        | 111            | 150                          | 34G06002021000 |
|  |        | SDR 17        | 0.390               | 5.724     | 7.500                  | 5.04                   | 10,000                       | 215            | 200                          | 34D06002021000 |
| 6 1/8"   | 6.900  | SDR 21        | 0.329               | 6.137     | 7.688                  | 4.47                   | 7,400                        | 111            | 160                          | 34G06902021000 |
| 6.9"   | 6.900  | SDR 17        | 0.406               | 5.965     | 7.688                  | 5.44                   | 9,400                        | 215            | 200                          | 34D06902021000 |
| 8"   | 8.625  | SDR 17        | 0.508               | 7.450     | 9.625                  | 8.59                   | 17,000                       | 215            | 140                          | 34D08002021000 |
| 10"  | 10.750 | SDR 17        | 0.632               | 9.294     | 12.188                 | 13.40                  | 24,200                       | 215            | 160                          | 34D10002021000 |
| 12"  | 12.750 | SDR 17        | 0.750               | 11.020    | 14.250                 | 18.79                  | 29,000                       | 215            | 200                          | 34D12002021000 |
|  |        |               |                     |           |                        |                        |                              |                |                              |                |
| Nom. Size  | O.D.   | Class         | Min. Wall Thickness | I.D. Min. | Coupling Weight (lbs.) | Casing Weight lbs./ft. | Max. Tensile Strength (lbs.) | R.H.C.P. (psi) | Max. Internal Pressure (psi) | Part Number    |
| Certa-Lok Coupled (Includes Casing and Coupling) |        |               |                     |           |                        |                        |                              |                |                              |                |
| 14"  | 14.000 | SDR 17        | .824                | 12.071    | 22.15                  | 22.09                  | 36,440                       | 215            | 150                          | 34D14002031000 |
| 16"  | 16.000 | SDR 26        | .616                | 14.535    | 34.40                  | 19.31                  | 35,200                       | 58             | 150                          | 34I16002031000 |
|  |        | SDR 17        | .941                | 13.807    | 34.40                  | 28.86                  | 35,200                       | 215            | 150                          | 34D16002031000 |
| 17.4"  | 17.400 | SDR 17        | 1.024               | 15.021    | 26.00                  | 34.16                  | 37,000                       | 215            | 125                          | 34D17402031000 |

FG = Fiberglass Coupling  
PVC = PVC Coupling

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.

\*Dimensions in all tables are in inches. All dimensions and weights are subject to manufacturing tolerances.

\*\*Standard setting length = 20'.