

## Century-Line® Pipe Penetration Sleeves

are used to create circular sleeved holes in concrete poured barriers including; walls, floors, ceilings, structural supports and tank footings. Molded from non-conductive, high impact resistant HDPE, Century-Line® sleeves are lightweight and easily installed by one construction worker. They are available in 16 diameters ranging from 2" to 25" and shipped, from stock, in any desired length.

### Features

16 sizes - 2" to 25" in diameter. Local stock, drop ship overnight.

In the event of a field or engineering change, sleeves may be cut shorter at the job site using ordinary hand tools (See page 9). Standard sleeves are 16" (406mm) in length. Longer length models may also be quickly fabricated as a custom ordered item.

1/8 the weight of steel.

Century-Line sleeves are light enough for one worker to install without a crane, hoist or helper which reduces installation time and costs. Century-Line sleeves are easy to stock and store and far less expensive to ship, when compared to steel sleeves.

Resists water migration.

The 2" (50.8mm) water stop collar not only anchors the sleeve in position but creates a long tortuous path against the migration of water around the outside of the sleeve.

Adjusts to wall thickness.

Century-Line sleeves' unique hollow water stop collar acts like an expansion joint, adjusting (up to 1/2" - 12.7mm) to the thickness of the wall. This compressive force reacts against the forms like a spring, creating a prevailing tension which maintains proper sleeve location within the form.

Nailer end caps position sleeve precisely in form.

Specially designed end caps provide an ideal method for attaching Century-Line sleeves to the concrete forms. The end caps assure that the sleeve holds its circular configuration during the pour. In addition to keeping out wet concrete, they also prevent dirt from entering the sleeve during backfill operations or the interim construction period.

Tough high density polyethylene (HDPE) construction.

High impact-resistant HDPE also provides excellent resistance to acids, alkalis and other organic solvents. Ideal for cathodic protection systems, these non-conductive sleeves will neither rust, corrode or degrade. Low-temperature properties are such that they may be installed under any weather conditions suitable for pouring concrete. High temperature application limit is 150° F. (66° C.). The sleeve is molded with a texture on the outside surface to assure a better bond, than most other plastics, to concrete interfaces.

Used for shotcrete wall applications.

For shotcrete applications, Century-Line sleeves are easily positioned to wall form with threaded rod, and the end caps protect the sleeve penetration while the wall is formed.

**Note:** Swimming pool, floor, and shotcrete applications; please specify exact lengths when ordering. Typically, a form is not installed on the top of a pool or floor, the CS sleeve water stop will not compress in these applications.

### The system is the solution

Century-Line® sleeves are engineered to mate with Link-Seal® modular mechanical seals for a lifetime of leak-proof performance. PSI/Thunderline/Link-Seal® is your one-stop source for everything you need to effectively seal the annular space between pipes and concrete barriers through which

they pass. Charts on the following pages provide Century-Line® sleeve model numbers for standard size pipe along with corresponding Link-Seal® modular seal model numbers.



### Century-Line® Sleeves Model CS (16" length)

#### Weights and Dimensional Data

MODEL	I.D. (In.)	I.D. (mm)	lbs.	Kg.
CS-2	1.98	50.3	0.70	0.32
CS-3	2.94	74.7	1.30	0.59
CS-3-1/2	3.38	85.9	1.50	0.68
CS-4	4.03	102.4	2.00	0.90
CS-5	5.14	130.6	2.80	1.27
CS-6	6.14	156.0	3.60	1.63
CS-8	8.21	208.5	4.80	2.18
CS-10	10.19	258.8	6.40	2.90
CS-12	12.26	311.4	7.20	3.27
CS-14	14.14	359.2	11.20	5.08
CS-16	16.18	411.0	12.00	5.44
CS-18	17.45	443.2	15.50	7.03
CS-20	19.12	485.6	17.50	7.94
CS-22	20.32	516.1	21.00	9.53
CS-24	22.76	578.1	22.00	9.98
CS-25	24.81	630.2	23.00	10.43

Weight Comparison	
WS Steel Sleeve WS-12-37-S-12 = 60 lbs.	Century-Line Sleeve CS-12-12 = 6.5 lbs

