



Century-Line® Sleeves are thermoplastic wall or floor pipe penetration sleeves. One person working alone can usually install a Century-Line® Sleeve regardless of the size.



1. Measure the center line to position Century-Line® Sleeve end cap.



2. Nail one of the end caps at the marked center line. A 2" minimum clearance is suggested when nesting sleeves.



3. Place the Century-Line® Sleeve on the end cap. When field cutting non standard CS sleeve lengths, the sleeve and end caps total length should be ¼" longer than the thickness of the wall. Cut with a hand or power saw.

**NOTE:** To insure minimum water migration, center the water stop in wall by cutting equal lengths from each end of the sleeve, except as noted below.



4. Place second end cap on sleeve. Check to determine that the cap is properly inserted.



5. For additional stability, it's necessary to secure the sleeve with wire to the rebar. Insert the other end cap firmly, check that second end cap is positioned correctly, confirm sleeve length and close the form.



6. After the concrete is poured and cured, remove end caps with screw driver or crow bar. End caps may be replaced to protect sleeve until pipe penetration is made.

## ALTERNATIVE TECHNIQUES USING THREADED ROD



After nailing end cap to form, drive (threaded rod\*) through the end plate and form and (thread nut\*) on other side.

**NOTE:** Remember to measure the (threaded rod\*) to match the length of the sleeve.



Place the sleeve over the end cap nailed to the form.

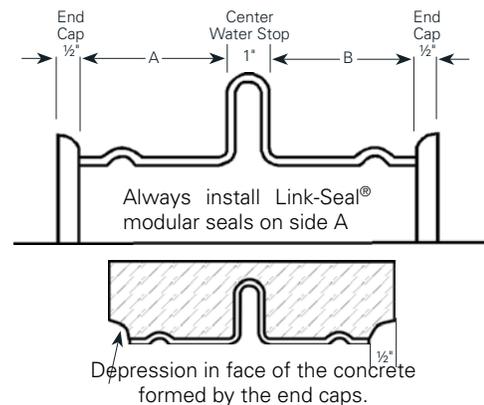
\* = Not Provided by GPT



Place second cap on the sleeve and use a (block of wood\*) and (wing nut\*) to tighten unit in place. Make certain sleeve is plumb.

**Always wear appropriate PPE**

Wall Thickness	Cut From Left End	Dimension A	Cut From Right End	Dimension B
16"	0.0"	7.125"	0.0"	7.125"
14"	.875"	6.125"	.875"	6.125"
12"	1.875"	5.125"	1.875"	5.125"
10"	2.375"	4.625"	3.375"	3.625"
8"	2.375"	4.625"	5.375"	1.625"



### NOTES:

1. Example: To convert 16" to 12", cut 1.875" off each end.
2. Endcaps leave 1/2" depression in face of concrete.
3. On sleeves under 12" length, install Link-Seal® modular seal on the "long side" of the waterstop. [a] For Link-Seal® modular seals models LS-200, LS-275, LS-300, LS-315, LS-340 and LS-360 - install with pressure plates flush with outer edge of the sleeve. [b] For Link-Seal® modular seals models LS-325, LS-400, LS-410, LS-425 and LS-475 - install with pressure plates partially inserted into the sleeve. When tightened, the pressure plates will "pull" into the sleeve. [c] For Link-Seal® modular seals models LS-500, LS-525, LS-575, LS-600 and LS-650 - the minimum sleeve length is 10". Follow the instructions in 3 above.