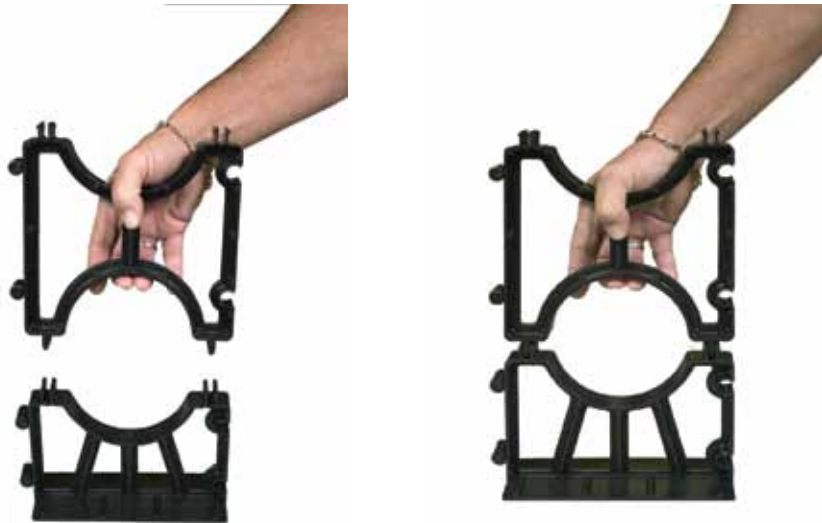


UNDERGROUND SPACER SYSTEM

Vertical-Lok spacers stabilize duct banks, prevent distortion of bottom tiers and allow pre-assembly outside the trench. The Vertical-Lok spacer system provides positive vertical and horizontal spacing of underground ducts while providing independent support for each duct in a bank. It's the fast, easy way to build completely enclosed and locked-in banks of any size, with any number of tiers and any number of ducts side by side, in straight or curved runs.

System uses modular elements

The spacer elements are modular and interlock at the sides and top to secure the ducts against separation during backfilling. Two modules are offered: a base spacer-flat at the bottom and an intermediate spacer. When the duct bank is capped with a spacer, the need for spacers as top caps is not necessary. The Cap-Lok is an easy and cost effective method for securing the top of the duct bank.



ASSEMBLY IS A SNAP

Base and intermediate spacers interlock both vertically and horizontally; the interlocks plus wide base-plates provide solid support for duct bank.

Push together. As shown above, the suggested method is to snap spacers together with a vertical push.

Slide together. As shown at right, above, units will also slide together; this method is for use in unusual field conditions such as duct repair.

INTERMEDIATE AND BASE SPACERS DIMENSIONS

Base spacers provide a 3" separation between the bottom row of ducts and the trench floor, except for the 4" x 1" size which is 1-3/4."

DIMENSIONAL DATA

Nominal Size	1" Separation			1-1/2" Separation			2" Separation			3" Separation		
	R	A	C	R	A	C	R	A	C	R	A	C
2"	Saddle spacers only			1.2	4.0	1.5	1.2	4.5	2.0	1.2	5.5	3.0
3"	Saddle spacers only			1.8	5.1	1.5	1.8	5.6	2.0	1.8	6.6	3.0
4"	2.3	5.6	1.0	2.3	6.1	1.5	2.3	6.6	2.0	2.3	7.6	3.0
5"	Saddle spacers only			2.9	7.3	1.5	2.9	7.9	2.0	2.9	8.9	3.0
6"	--	--	--	3.3	8.2	1.5	3.4	8.7	2.0	3.4	9.8	3.0
8"	--	--	--	4.3	10.2	1.5	4.3	10.7	2.0	--	--	--