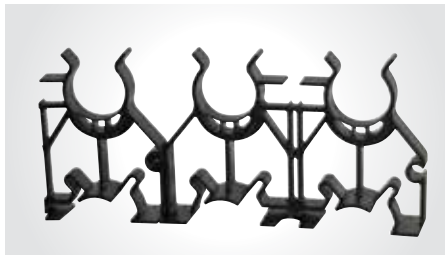


## Snap-N-Stac combo spacers

### Product overview



One-way



Three-way

### Installations



Horizontal locking



Vertical interlocking



With reducer

Carlson Snap-N-Stac combo duct spacers are specifically designed to replace the two-piece base and intermediate spacer system, by combining the conventional base and intermediate spacer into a single unit.

Manufactured out of highly engineered thermoplastic material, Snap-N-Stac spacers are strong, durable and able to withstand the rigors of concrete construction. They feature an innovative horizontal and exclusive vertical locking system and can be used as either a base or intermediate spacer.

Snap-N-Stac spacers are available in one-way, two-way and three-way configurations (one-way and three-way only available in sizes 2 in. and 4 in.). They accept 2 in., 3 in., 4 in., 5 in., and 6 in. pipe and can be installed horizontally, vertically or turned upright for unique duct bank configurations.

This one-piece design makes underground duct bank installations faster and easier than the conventional two-piece system – saving material and labor costs.

Carlson Snap-N-Stac combo spacers...The ideal solution for underground duct bank installations.

### Features

- Conventional base and intermediate spacer in a single unit
- Less inventory required
- Exclusive vertical locking system
- Horizontal locking system
- Installs horizontally or turned upright
- Molded-in rebar holder on two-way and three-way
- One-, two- and three-way configurations (one-way and three-way only available in sizes 2 in. and 4 in.)
- 5 sizes: 2 in., 3 in., 4 in., 5 in. and 6 in.
- Reducer to accommodate smaller duct sizes
- Can be used as either an intermediate or base spacer
- Spacers interlock horizontally regardless of size
- Nonmetallic, non-corrosive, non-conductive
- Strong and durable
- Easy to handle
- Fast installation

## Snap-N-Stack combo spacers

### Installation instructions

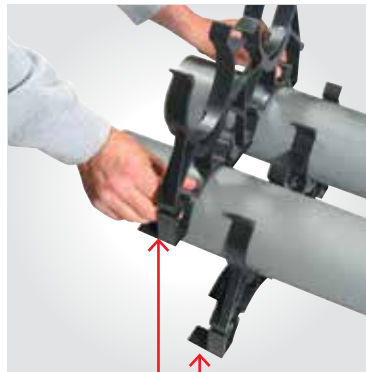
#### Important

1. Snap-N-Stack Spacers are recommended for concrete-encased applications only.
2. The use of duct spacers for direct burial may result in excessive point deflections unless proper design engineering is applied, such as the proper compaction of the appropriate backfill material.
3. ABB is NOT responsible for Snap-N-Stack spacers used in direct burial applications; design engineers and contractors are responsible for the design of the installation.

#### Vertical interlocking slide spacers together "feet facing feet."



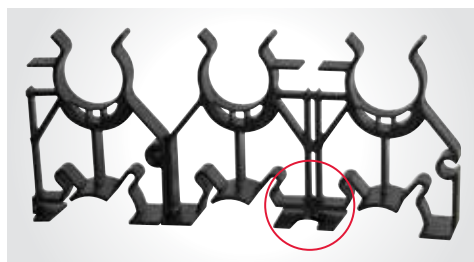
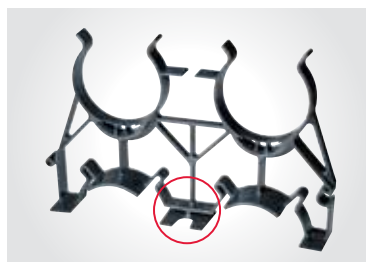
Feet facing



Feet opposite



#### Molded-in rebar holder



## Snap-N-Stac combo spacers

### Installation instructions

#### Vertical free-standing

If spacers are installed using free-standing method, it is recommended to install the spacer on the upper row mid-way between the two spacers on the bottom row.



#### Reducer

1 in. and 2 in. Snap-Loc reducers allow fixturing of 1 in. and 2 in. conduit inside of larger spacers.



#### Transition to various duct sizes

Install spacers side-by-side by inserting the male adapter into the female adapter.

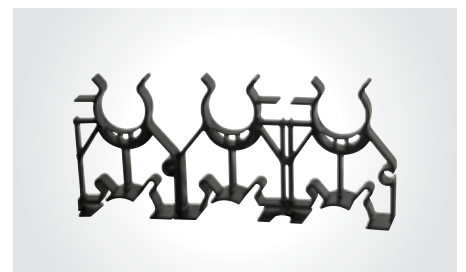
Note: All Snap-N-Stac spacers are designed to interlock horizontally, regardless of size.



#### Odd number of ducts

Two-way spacers, size 2 in. and 4 in. only, can easily be cut apart to produce two one-way spacers. Create three-way and five-way spacers using the

one-way spacer. Install spacers side-by-side by inserting the male adapter into the female adapter.



## Snap-N-Stack combo spacers

### Specifications

Cat. no.	Description	Size (in.)	Separation (in.)	Std. ctn. qty.	Std. ctn. wt. (lb)
SP2W20-1	1-Way spacers	2	2	56	15.0
SP2W30-1	1-Way spacers	2	3	40	13.0
SP4W15-1	1-Way spacers	4	1½	26	9.6
SP4W20-1	1-Way spacers	4	2	20	10.0
SP4W30-1	1-Way spacers	4	3	20	9.4
SP2W20-2	2-Way spacers	2	2	56	28.5
SP2W30-2	2-Way spacers	2	3	40	23.8
SP3W20-2	2-Way spacers	3	2	40	24.0
SP3W30-2	2-Way spacers	3	3	24	17.9
SP4W15-2*	2-Way spacers	4	1½	26	18.3
SP4W20-2*	2-Way spacers	4	2	24	18.8
SP4W30-2*	2-Way spacers	4	3	20	17.6
SP5W20-2*	2-Way spacers	5	2	20	17.2
SP5W30-2*	2-Way spacers	5	3	14	15.5
SP6W20-2*	2-Way spacers	6	2	12	12.8
SP6W30-2*	2-Way spacers	6	3	12	14.1
SP2W20-3	3-Way spacers	2	2	36	28.5
SP2W30-3	3-Way spacers	2	3	18	17.8
SP4W15-3	3-Way spacers	4	1½	18	19.4
SP4W20-3	3-Way spacers	4	2	16	19.3
SP4W30-3	3-Way spacers	4	3	14	19.1

\*Can be cut apart to make (2) one-way spacers

### Technical information

Cat. no.	Duct size (in.)	Duct O.D. (in.)	Horizontal duct positions	Duct-to-duct spacing		Center-to-center spacing		Bottom of trench to bottom of duct (in.)	Bottom of trench to center of bottom duct (in.)	Overall length (in.)
				Vertical (in.)	Horizontal (in.)	Vertical (in.)	Horizontal (in.)			
SP2W20-1	2	2.375	1	2	2	2.19	2.19	3.13	4.25	4.38
SP2W30-1	2	2.375	1	3	3	2.69	2.69	4.13	5.25	5.38
SP4W15-1	4	4.500	1	1.5	1.5	3.00	3.00	3.38	5.56	6.00
SP4W20-1	4	4.500	1	2	2	3.25	3.25	3.88	6.06	6.50
SP4W30-1	4	4.500	1	3	3	3.75	3.75	4.88	7.06	7.50
SP2W20-2	2	2.375	2	2	2	4.38	4.38	3.13	4.25	8.75
SP2W30-2	2	2.375	2	3	3	5.38	5.38	4.13	5.25	10.75
SP3W20-2	3	3.500	2	2	2	5.50	5.50	3.63	5.38	11.00
SP3W30-2	3	3.500	2	3	3	6.50	6.50	4.63	6.38	13.00
SP4W15-2	4	4.500	2	1.5	1.5	6.00	6.00	3.38	5.56	12.00
SP4W20-2	4	4.500	2	2	2	6.50	6.50	3.88	6.06	13.00
SP4W30-2	4	4.500	2	3	3	7.50	7.50	4.88	7.06	15.00
SP5W20-2	5	5.500	2	2	2	7.56	7.56	4.38	7.25	15.12
SP5W30-2	5	5.500	2	3	3	8.56	8.56	5.38	8.25	17.14
SP6W20-2	6	6.625	2	2	2	8.62	8.62	4.13	7.38	17.25
SP6W30-2	6	6.625	2	3	3	9.62	9.62	5.13	8.38	19.25
SP2W20-3	2	2.375	3	2	2	6.57	6.57	3.13	4.25	13.13
SP2W30-3	2	2.375	3	3	3	8.07	8.07	4.13	5.25	16.13
SP4W15-3	4	4.500	3	1.5	1.5	9.00	9.00	3.38	5.56	18.00
SP4W20-3	4	4.500	3	2	2	9.75	9.75	3.88	6.06	19.50
SP4W30-3	4	4.500	3	3	3	11.25	11.25	4.88	7.06	22.50

### How to interpret the catalogue number

Position 1	Position 2	Position 3	Position 4
<b>Duct-to-duct spacing</b>			
<b>Product type</b>	<b>Duct size</b>	<b>Horizontal and vertical</b>	<b>Horizontal duct positions</b>
SP = Spacer	2W = 2 in. Width	15 = 1½ in.	-1 = One-way
	3W = 3 in. Width	20 = 2 in.	-2 = Two-way
	4W = 4 in. Width	30 = 3 in.	-3 = Three-way
	5W = 5 in. Width		
	6W = 6 in. Width		