

SPAN-X Beams

Telescoping aluminum beam design is adjustable for clear spans and deck support

The SPAN-X Beam consists of an aluminum box shape, with a telescoping I-beam that provides a range of adjustment. A single Camber Nut sets both the beam length and camber. The End Tabs support the beam and loads during construction.



SPAN-X Beams are available in four sizes with adjustment from 3'-4" to 19'-0" in length.

The SPAN-X Beam is designed as a self-spanning support. Once the beam is set to length, it can be positioned along the top of a concrete wall, shelf angle or stringer. The beam spacing is determined by the anticipated loads (see tables).

A clear span provides more accessible work space in confined areas and reduces conflict with other trades. Using SPAN-X Beams saves time and speeds construction compared to other shoring methods.

SPAN-X Beams have been used for box culverts, shaft core roofs, sand filters, water channels and other similar concrete deck support applications.

Span-X Beams			
Part No.	Description	Minimum Span	Maximum Span
SBSPAN46	SB SPAN-X 4-6 Aluminum Beam	3'-4"	6'-1"
SBSPAN610	SB SPAN-X 6-10 Aluminum Beam	6'-0"	10'-4"
SBSPAN915	SB SPAN-X 9-15 Aluminum Beam	8'-8"	15'-0"
SBSPAN1119	SB SPAN-X 11-19 Aluminum Beam	10'-8"	19'-0"



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Span-X 4-6 Beam Load Capacity

Slab (in)	Slab (lbs/ft ²)	Total* (lbs/ft ²)	Spacing									
			12"	16"	19.2"	24"	28"	32"	36"	40"	44"	48"
4"	50	100	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"
5"	62	112	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"
6"	75	125	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"
8"	100	150	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"
10"	125	175	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"
12"	150	200	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"
14"	175	225	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"
16"	200	250	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	--
18"	225	275	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	--	--
20"	250	300	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	--	--	--
22"	275	325	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	--	--	--	--
24"	300	350	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	--	--	--	--

Span-X 6-10, 9-15 and 11-19 Beam Load Capacity

Slab (in)	Slab (lbs/ft ²)	Total* (lbs/ft ²)	Spacing									
			12"	16"	19.2"	24"	28"	32"	36"	40"	44"	48"
4"	50	100	19'-0"	19'-0"	19'-0"	19'-0"	18'-0"	17'-0"	16'-0"	15'-0"	14'-6"	13'-9"
5"	62	112	19'-0"	19'-0"	19'-0"	18'-6"	17'-0"	16'-0"	15'-0"	14'-3"	13'-6"	13'-0"
6"	75	125	19'-0"	19'-0"	19'-0"	17'-6"	16'-0"	15'-0"	14'-3"	13'-6"	12'-9"	12'-0"
8"	100	150	19'-0"	19'-0"	17'-9"	16'-0"	14'-9"	13'-9"	13'-0"	12'-0"	10'-9"	10'-0"
10"	125	175	19'-0"	18'-0"	16'-6"	14'-9"	13'-9"	12'-9"	11'-3"	10'-3"	9'-3"	8'-6"
12"	150	200	19'-0"	17'-0"	15'-3"	13'-9"	12'-9"	11'-3"	10'-0"	9'-0"	8'-0"	7'-3"
14"	175	225	18'-6"	16'-0"	14'-6"	13'-0"	11'-3"	10'-0"	8'-9"	8'-0"	7'-3"	6'-6"
16"	200	250	17'-6"	15'-0"	13'-9"	12'-0"	10'-3"	9'-0"	8'-0"	7'-6"	6'-6"	--
18"	225	275	16'-6"	14'-6"	13'-0"	10'-9"	9'-3"	8'-0"	7'-3"	6'-6"	--	--
20"	250	300	16'-0"	13'-9"	12'-6"	10'-0"	8'-6"	7'-6"	6'-6"	--	--	--
22"	275	325	15'-3"	13'-3"	11'-6"	9'-0"	7'-9"	6'-9"	--	--	--	--
24"	300	350	14'-0"	12'-6"	10'-6"	8'-6"	7'-3"	6'-6"	--	--	--	--

* Total includes 50 lbs/ft² live load.
 Allowable Maximum Bending Moment does not exceed 9,600 ft-lbs. End Reaction is equal to 3,000 lbs.
 SafeWorking Load based on a safety factor of 2:1.
 Contact SureBuilt Engineering for conditions not noted in these tables.

