# *PRODUCT INFORMATION*




## *SB-AW Helix Anchor*

SB-AW Helix Anchor are retaining wall anchoring systems used to horizontally reinforce and stabilize permanent and temporary structures subjected to lateral loads from earth and water. Helical tieback anchors are used in conjunction with a variety of earth retaining systems such as sheet piles and soldier piles in order to provide additional lateral resistance beyond what is achievable by a cantilevered wall. Capacities up to 200,000 lbs. per anchor are obtainable with this quick and cost-effective helical tieback system.

SB-AW Helix Anchor are installed into retained soil with commonly available hydraulic rotary drilling equipment. Once the minimum length is obtained, the capacity is determined by reading the installation torque and correlating it to the holding capacity ratio of the soil strength. Once the specified capacity is obtained, the helical tiebacks are then immediately tensioned and tested without the need for curing time or spoils clean up, saving a tremendous amount of project time and cost.

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# SB - AW Helix Anchor (SKU: AWSSCMIHA03)

## Product Benefits

- Maximizes flexibility with changing soil conditions
- Can install with readily available construction equipment
- No spoils to remove
- No concrete trucks or grout pumps needed
- Predictable capacity proportional to installation torque
- Installs in any weather condition
- Immediate proof testing and tension loading
- Minimizes labour costs
- Retaining wall anchors can be extracted for use on future projects
- Installs in limited access areas



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## *Specifications*

SB-AW Helix Anchor

| Anchor Diameter | Rod Size | Standard Pack/ Pallet | No Wrench Anchor Holding Strength (IB) vs Chance Soil Class | | |
|---|---|---|---|---|---|
| | | | Class 5 | Class 6 | Class 7 |
| 4" | 3/4" x 54" | 1/100 | 4,500 | 3,000 | 1,500 |
| 6" | 3/4" x 66" | 1/100 | 6,500 | 5,000 | 2,500 |
| 8" | 1" x 66" | 1/60 | 11,000 | 9,000 | 6,000 |
| 10" | 1-1/4" x 66" | 1/20 | 13,000 | 10,000 | 7,000 |
| 10" | 1-1/4" x 96" | 1/20 | 13,000 | 10,000 | 7,000 |
| 14" | 1-1/4" x 96" | 1/20 | 16,000 | 15,000 | 12,000 |

All statements, technical information and recommendations contained herein are based on tests we believe to be reliable, but the accuracy or completeness thereof is not guaranteed, and the preceding is made in lieu of all warranties, expressed or implied.




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