



COMMERCIAL BIN ANCHORING SYSTEM





FULL SWEEP® BIN ANCHORING SYSTEM



Brock's FULL SWEEP® Bin Anchoring System allows for the safe operation of single-pass sweeping on all BROCK® Commercial Grain Storage Bins.

- ◆ Saves time and labor.
- ◆ Eliminates the need for bin entry during the sweep process.

The FULL SWEEP Bin Anchoring System (patent pending) utilizes Brock's heavy base angle that is now standard on all BROCK Grain Bins 72 feet (22 m) in diameter and larger. The heavy base angle:

- ◆ Accommodates the horizontal shear loads generated by the single-pass sweep process and aids in the transfer of horizontal shear loads from seismic activity.
- ◆ Transfers the shear loads efficiently to the foundation with the aid of anchors placed in pre-punched holes.
- ◆ Bolts to pre-punched holes in the bin sidewall body sheets quickly and easily.

Additional Base Angle Anchors Required For Single-Pass Sweep Capability

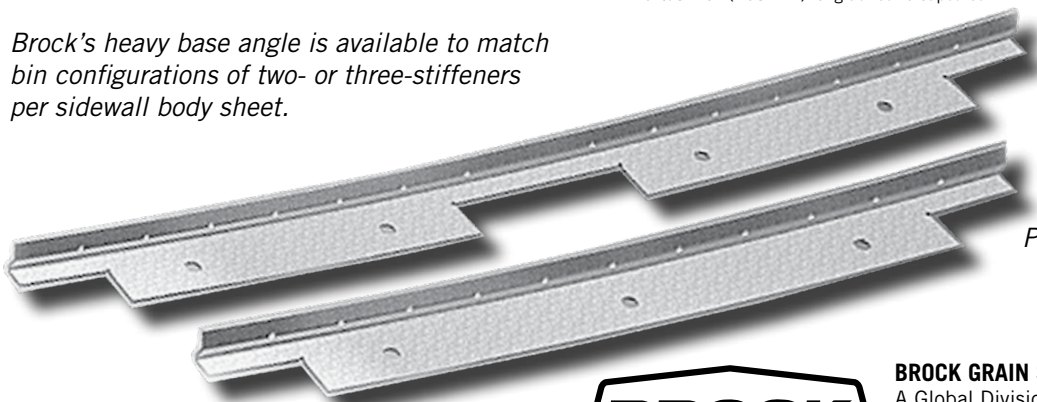
| BIN DIAMETER FEET / METERS | | STIFFENERS PER SIDEWALL BODY SHEET | EXTRA ANCHORS PER SHEET | TOTAL ANCHORS PER SHEET* | EXTRA ANCHORS PER BIN |
|-------------------------------|------|---|-------------------------------|--------------------------------|-----------------------------|
| 72 | 22.0 | 2 | 2 | 4 | 48 |
| 72 | 22.0 | 3 | 0 | 3 | 0 |
| 78 | 23.8 | 2 | 4 | 6 | 104 |
| 78 | 23.8 | 3 | 3 | 6 | 78 |
| 90 | 27.4 | 2 | 6 | 8 | 180 |
| 90 | 27.4 | 3 | 6 | 9 | 180 |
| 105 | 32.0 | 2 | 6 | 8 | 210 |
| 105 | 32.0 | 3 | 6 | 9 | 210 |

*Includes stiffener anchor.

Note: Drill-in anchors for the base angle are required to be one of the following (See Brock's commercial bin installation manuals for complete installation details):

- 1.) Hilti® HCA Coil Anchors or Hilti Kwik HUS Anchors – 3/4-inch (19-mm) diameter x 6 inches (152 mm) long.
- 2.) Hilti® Adhesive Anchors – HAS Super 3/4-inch (19-mm) diameter x 9-5/8 inch (244 mm) long threaded rods with a minimum embedment of 6-5/8 inches (168 mm) using HVU 3/4-inch (19-mm) diameter x 6-5/8 inch (168 mm) long adhesive capsules.

Brock's heavy base angle is available to match bin configurations of two- or three-stiffeners per sidewall body sheet.



Patent Pending

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BROCK GRAIN SYSTEMS

A Global Division of CTB, Inc.
Milford, IN • Kansas City, MO • Frankfort, IN
Phone: +1 574.658.4191 • +1 574.658.4133
Internet: www.BrockGrain.com
E-Mail: Brock@BrockGrain.com