



COMMERCIAL BIN ANCHORING SYSTEM

 **D&E**
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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 adhesive 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

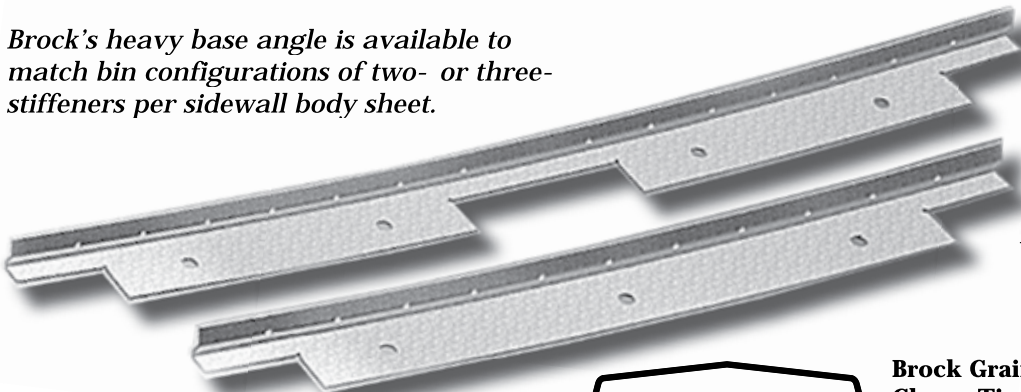
BIN DIAMETER FEET / METERS		STIFFENERS PER SIDEWALL BODY SHEET	EXTRA ANCHORS PER SHEET	TOTAL ANCHORS PER SHEET*	EXTRA ANCHORS PER BIN
72	22.0	2	2	4	48
72	22.0	3	0	3	0
78	23.8	2	4	6	104
78	23.8	3	3	6	78
90	27.4	2	6	8	180
90	27.4	3	6	9	180
105	32.0	2	6	8	210
105	32.0	3	6	9	210

*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® Coil Anchors - HCA 3/4-inch (19-mm) diameter x 6 inches (152 mm) long (Brock Part No. 9-51218).
- 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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