



Heckmann
Building Products Inc.



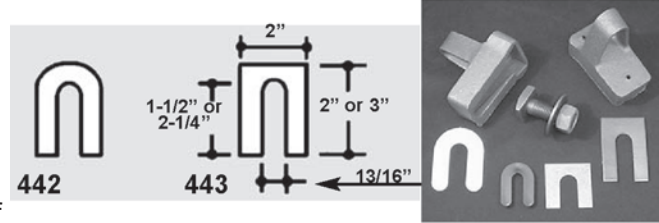
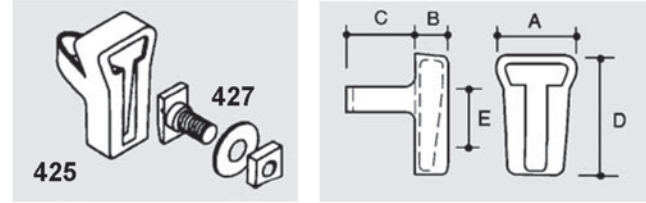
4225 W. Ogden Ave. • Chicago, IL 60623 • Phone: (773) 522-1900

SHELF ANGLE (WEDGE) INSERTS

When cast into concrete, Wedge Inserts and Askew Head Bolts provide a secure and adjustable method for fastening shelf angles and other materials to concrete structures. The anchor's wedging action reduces slippage to a minimum. Shelf Angle Inserts allow vertical adjustment so veneers can be properly aligned despite construction tolerances in the building frame.

No. 425 Wedge Insert: These heavy-duty malleable iron inserts have three holes for nailing to forms. Anchor loops are designed to take 3/4" reinforcing bars or anchor rods for increased anchorage in concrete. Available plain or hot dip galvanized.

No. 427 Askew Head Bolts: The wedge-shaped heads of these steel bolts compliment the wedge-shaped inside face of the Wedge Insert. Available plain, electro-galvanized, or hot dip galvanized. Furnished with washers and nuts.



SHIMS

No. 422 Plastic Shims: High impact shims with up to 4500 psi compressive strength. Available in 1/16", 1/8", and 1/4" thicknesses. Specify bolt size.

No. 443 Steel Shims: Steel shims available in standard sizes or can be custom fabricated for special applications. Shims should be as long as the vertical legs of angles to prevent the angles from deflecting under load. 1/6", 1/8", and 1/4" thick are available in mill, plain, hot dip galvanized, and stainless steel.

Call for test data on shelf angles or visit www.heckmannbulidingproducts.com

No. 425 Wedge Inserts						
Bolt	Cat. No.	A	B	C	D	E ¹
5/8"	425-5	2 1/4"	1 1/32"	1 15/16"	3 5/8"	1 5/8"
3/4"	425-6	2 5/16"	1 3/16"	2 1/2"	3 7/8"	1 3/4"
3/4"	425-6L ²	2 1/4"	1 1/4"	2 3/8"	5 1/2"	3"
No. 427 Askew Head Bolts						
Bolt	Cat. No.	Available Lengths ³				
5/8"	427-5	1 1/2", 2", 2 1/2", 3"				
3/4"	427-6	1 1/2", 2", 2 1/2", 3", 3 1/2"				

- "E" is the length of vertical adjustment for Askew Head Bolts
- Long inserts provide greater adjustability and can be placed near bottom or concrete beams. Anchor loops are 3 1/2" above bottom of insert and can be secured to bottom layer of beam reinforcing.
- Bolt extends beyond face of Insert approx. 1/4" less than specified length.

MASSAZO

DOOR BUCK ANCHORS

No. 200 Corrugated Buck Anchor: 8" long available in widths of 1 1/4", 1 1/2", 2", 2 1/2", 3", or 4". 16 gage mill galvanized with 2" bend and staggered 3/16" holes.

