

## Fasteners

Anchors, expansion shields, concrete inserts, explosive-driven fasteners and threaded head screws provide anchorage to building structural members for supporting pipe hangers. See PIPE HANGER listing for other components and minimum rod sizes. Unless specifically noted in the listing, the following fasteners are FM Approved for vertical installation only.

## Expansion Shields

Expansion shields provide anchorage to a concrete building member for supporting pipe hangers.

### Expansion Shields

<b>Product Designation</b>	<b>Anchor Rod Size, in.</b>	<b>Max Nominal Pipe Size, in.</b>	<b>Remarks</b>
Kwik Bolt 3	3/8	4	Concrete Anchor
Kwik Bolt 3	1/2	8	"–Concrete Anchor
Kwik Bolt 3	5/8	12	"–Concrete Anchor
Kwik Bolt 3	3/4	12	"–Concrete Anchor
Kwik Bolt TZ	3/8	3/4 through 4	"–Concrete Anchor
Kwik Bolt TZ	1/2	5 through 8	"–Concrete Anchor
Kwik Bolt TZ	5/8	10, 12	"–Concrete Anchor
Kwik Bolt TZ	3/4	10, 12	"–Concrete Anchor

<b>Product Designation</b>	<b>Hanger Rod Size, in., NC</b>	<b>Component Description</b>	<b>For Nominal Pipe Sizes, in.</b>
HDV 3/8	3/8	Internally Threaded Concrete Anchor	3/4 through 4
HDV 1/2	1/2	Internally Threaded Concrete Anchor	3/4 through 8
HDI+ 3/8	3/8	Internally Threaded Concrete Anchor	3/4 through 4
HDI-L+ 3/8	3/8	Internally Threaded Concrete Anchor	3/4 through 4
HDI-P 3/8	3/8	Internally Threaded Concrete Anchor	3/4 through 4
HDI+ 1/2	1/2	Internally Threaded Concrete Anchor	5 through 8
HDI-L+ 1/2	1/2	Internally Threaded Concrete Anchor	5 through 8

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<b>New/Updated Product Listing:</b>	No
<b>Listing Country:</b>	United States of America

<b>Certification Type:</b> FM Approved
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