

February 1, 2019

DEWALT
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RE: Screw-Bolt+™ Anchor Replacement Option for Wedge-Bolt®+ Anchor

To Whom It May Concern:

The Screw-Bolt+ anchor is now available for consideration as a direct replacement option for Wedge-Bolt+ anchor in concrete and masonry applications. The Wedge-Bolt+ has been discontinued.

The Screw-Bolt+ is a one piece, heavy duty screw anchor with a finished hex head. It is simple to install, easy to identify and fully removable. The patented thread design, designed for use with standard ANSI drill bits, reduces installation torque and enhances productivity. The steel threads along the anchor body tap into the hole during installation to provide keyed engagement and allow for reduced edge and spacing distances. The Screw-Bolt+ finish is available in bright zinc-plated and mechanically galvanized. A mechanically galvanized finish is often required by jurisdictions for attachments of pressure-preserve treated lumber that is in direct contact with concrete and masonry (e.g. sill plate attachments).

In the majority of concrete and masonry anchoring applications, the Screw-Bolt+ anchor has equivalent or higher published load values compared to the Wedge-Bolt+ anchor product. The Screw-Bolt+ has ICC-ES building and residential code approvals for concrete (ESR-3889) and masonry (ESR-4042) as well as regional listings for Florida and the City of LA. The approvals include recognition for both the zinc plated carbon steel anchors and the carbon steel anchors plated with a mechanically galvanized finish.

For additional information, please refer to the Screw-Bolt+ links or download a free copy of the DEWALT anchor software.

- General info: <http://anchors.dewalt.com/anchors/products/mechanical-anchors/screw-anchors/screw-boltplus.php>
- Screw-Bolt+ product pages: http://anchors.dewalt.com/anchors/documents/uploads/screw-boltplus_manual.pdf
- DEWALT anchor software (DDA): <http://www.dewaltdesignassist.com/>

Our technical services department is available to answer any additional questions you may have at (800) 524-3244.

Reference Load Capacity Tables for DEWALT Screw-Bolt+ (SB+) and Powers Wedge-Bolt+ (WB+)

Dia. (in.)	SB+ h _{nom} (in.)	WB+ h _{nom} (in.)	Uncracked Concrete (2500 psi)				Cracked Concrete (2500 psi)			
			SB+ Tension (lbs)	WB+ Tension (lbs)	SB+ Shear (lbs)	WB+ Shear (lbs)	SB+ Tension (lbs)	WB+ Tension (lbs)	SB+ Shear (lbs)	WB+ Shear (lbs)
1/4	1 5/8	1 3/4	1155	900	980	970	495	-	780	-
1/4	2 1/2	-	2110	-	1225	-	920	-	1225	-
3/8	2	2 1/8	1495	1325	1610	1430	845	940	915	1010
3/8	2 1/2	-	1805	-	1945	-	1280	-	1375	-
3/8	3 1/4	-	2880	-	2605	-	2040	-	2200	-
1/2	2 1/2	2 1/2	2255	1655	2430	1780	1070	1170	1375	1260
1/2	3	-	2495	-	2685	-	1635	-	1900	-
1/2	4 1/4	3 1/2	4530	3085	6705	4790	3055	1925	6705	4705
5/8	3 1/4	3 1/4	3270	2450	3520	2640	2000	1735	2465	1870
5/8	4	-	3810	-	7385	-	3070	-	7185	-
5/8	5	4 3/8	5620	4255	9350	7195	4485	2790	9350	6495
3/4	4 1/4	4 1/4	4745	3870	10215	8340	2985	2745	6430	5905

h_{nom} = nominal embedment

Design values determined in accordance with ACI 318-14 Chapter 17 and ACI 318-11 Appendix D.

Single anchor capacities with no influence factors for concrete member thickness or edge distance.

See the next page for a crossover list of anchor diameters and lengths for the Screw-Bolt+ and Wedge-Bolt+ anchors.

DEWALT SCREW-BOLT+	DESCRIPTION	POWERS WEDGE-BOLT+ (Blue Tip)	DESCRIPTION
PFM1411000	SCREW-BOLT+ 1/4" x 1-1/4"	7204SD-PWR	BT WEDGE-BOLT+ 1/4 X 1-1/4"
PFM1411020	SCREW-BOLT+ 1/4" x 1-3/4"	7206SD-PWR	BT WEDGE-BOLT+ 1/4 X 1-3/4"
No Size 1/4 X 2"		7207SD-PWR	BT WEDGE-BOLT+ 1/4 X 2"
PFM1411060	SCREW-BOLT+ 1/4" x 2-1/4"	7208SD-PWR	BT WEDGE-BOLT+ 1/4 X 2-1/4"
PFM1411080	SCREW-BOLT+ 1/4" x 2-5/8"	No Size 1/4 X 2-5/8"	
PFM1411100	SCREW-BOLT+ 1/4" x 3"	7210SD-PWR	BT WEDGE-BOLT+ 1/4 X 3"
PFM1411160	SCREW-BOLT+ 3/8 x 1-3/4"	7220SD-PWR	BT WEDGE-BOLT+ 3/8 X 1-3/4"
PFM1411220	SCREW-BOLT+ 3/8" x 2-1/2"	7222SD-PWR	BT WEDGE-BOLT+ 3/8 X 2-1/2"
PFM1411240	SCREW-BOLT+ 3/8" x 3"	7224SD-PWR	BT WEDGE-BOLT+ 3/8 X 3"
PFM1411280	SCREW-BOLT+ 3/8" x 4"	7226SD-PWR	BT WEDGE-BOLT+ 3/8 X 4"
PFM1411300	SCREW-BOLT+ 3/8" x 5"	7228SD-PWR	BT WEDGE-BOLT+ 3/8 X 5"
PFM1411320	SCREW-BOLT+ 3/8" x 6"	7230SD-PWR	BT WEDGE-BOLT+ 3/8 X 6"
PFM1411340	SCREW-BOLT+ 1/2" x 2"	7240SD-PWR	BT WEDGE-BOLT+ 1/2 X 2"
PFM1411360	SCREW-BOLT+ 1/2" x 2-1/2"	7242SD-PWR	BT WEDGE-BOLT+ 1/2 X 2-1/2"
PFM1411380	SCREW-BOLT+ 1/2" x 3"	7244SD-PWR	BT WEDGE-BOLT+ 1/2 X 3"
PFM1411420	SCREW-BOLT+ 1/2" x 4"	7246SD-PWR	BT WEDGE-BOLT+ 1/2 X 4"
PFM1411460	SCREW-BOLT+ 1/2" x 5"	7248SD-PWR	BT WEDGE-BOLT+ 1/2 X 5"
PFM1411480	SCREW-BOLT+ 1/2" x 6"	7250SD-PWR	BT WEDGE-BOLT+ 1/2 X 6"
PFM1411520	SCREW-BOLT+ 1/2" x 8"	7252SD-PWR	BT WEDGE-BOLT+ 1/2 X 8"
PFM1411540	SCREW-BOLT+ 5/8" x 3"	7260SD-PWR	BT WEDGE-BOLT+ 5/8 X 3"
PFM1411580	SCREW-BOLT+ 5/8" x 4"	7262SD-PWR	BT WEDGE-BOLT+ 5/8 X 4"
PFM1411600	SCREW-BOLT+ 5/8" x 5"	7264SD-PWR	BT WEDGE-BOLT+ 5/8 X 5"
PFM1411640	SCREW-BOLT+ 5/8" x 6"	7266SD-PWR	BT WEDGE-BOLT+ 5/8 X 6"
PFM1411680	SCREW-BOLT+ 5/8" x 8"	7270SD-PWR	BT WEDGE-BOLT+ 5/8 X 8"
PFM1411700	SCREW-BOLT+ 3/4" x 3"	7280SD-PWR	BT WEDGE-BOLT+ 3/4 X 3"
PFM1411720	SCREW-BOLT+ 3/4" x 4"	7282SD-PWR	BT WEDGE-BOLT+ 3/4 X 4"
PFM1411760	SCREW-BOLT+ 3/4" x 5"	7284SD-PWR	BT WEDGE-BOLT+ 3/4 X 5"
PFM1411800	SCREW-BOLT+ 3/4" x 6"	7286SD-PWR	BT WEDGE-BOLT+ 3/4 X 6"
PFM1411840	SCREW-BOLT+ 3/4" x 8"	7288SD-PWR	BT WEDGE-BOLT+ 3/4 X 8"
PFM1411880	SCREW-BOLT+ 3/4" x 10"	7290SD-PWR	BT WEDGE-BOLT+ 3/4 X 10"
PFM1461240	GALVANIZED SCREW-BOLT+ 3/8" x 3"	No Size 3/8 X 3"	
PFM1461280	GALVANIZED SCREW-BOLT+ 3/8" x 4"	7726SD-PWR	MECH GALV WEDGE-BOLT+ 3/8 X 4"
PFM1461300	GALVANIZED SCREW-BOLT+ 3/8" x 5"	7728SD-PWR	MECH GALV WEDGE-BOLT+ 3/8 X 5"
PFM1461320	GALVANIZED SCREW-BOLT+ 3/8" x 6"	7730SD-PWR	MECH GALV WEDGE-BOLT+ 3/8 X 6"
PFM1461420	GALVANIZED SCREW-BOLT+ 1/2" x 4"	7746SD-PWR	MECH GALV WEDGE-BOLT+ 1/2 X 4"
PFM1461460	GALVANIZED SCREW-BOLT+ 1/2" x 5"	7748SD-PWR	MECH GALV WEDGE-BOLT+ 1/2 X 5"
PFM1461480	GALVANIZED SCREW-BOLT+ 1/2" x 6"	7750SD-PWR	MECH GALV WEDGE-BOLT+ 1/2 X 6"
No Size 1/2 X 6-1/2"		7751SD-PWR	MECH GALV WEDGEBOLT+ 1/2 X 6-1/2"
PFM1461520	GALVANIZED SCREW-BOLT+ 1/2" x 8"	7752SD-PWR	MECH GALV WEDGE-BOLT+ 1/2 X 8"
PFM1461600	GALVANIZED SCREW-BOLT+ 5/8" x 5"	7764SD-PWR	MECH GALV WEDGE-BOLT+ 5/8 X 5"
PFM1461640	GALVANIZED SCREW-BOLT+ 5/8" x 6"	7766SD-PWR	MECH GALV WEDGE BOLT+ 5/8 X 6"
No Size 5/8 X 6-1/2"		7768SD-PWR	MECH GALV WEDGEBOLT+ 5/8 X 6-1/2"
PFM1461680	GALVANIZED SCREW-BOLT+ 5/8" x 8"	7770SD-PWR	MECH GALV WEDGE-BOLT+ 5/8 X 8"
PFM1461800	GALVANIZED SCREW-BOLT+ 3/4" x 6"	7786SD-PWR	MECH GALV WEDGE-BOLT+ 3/4 X 6"
PFM1461850	GALVANIZED SCREW-BOLT+ 3/4" x 8"	7789SD-PWR	MECH GALV WEDGEBOLT+3/4 X 8-1/2"
No Size 3/4 X 10"		7790SD-PWR	MECH GALV WEDGEBOLT+ 3/4 X 10"