



ANCHOR SELECTION GUIDE

ANCHORS & FASTENERS

ADHESIVE ANCHORING SYSTEMS

				Concrete	Lightweight Concrete	Hollow Core Pre-Cast	Grout-filled Concrete Masonry	Hollow Masonry	Solid Brick	Hollow Brick	Unreinforced Masonry	Drywall	Plywood	Wood (Lumber)	Anchor Diameter	Threaded Rod and Hex Nut	Round / Acorn Nut Head	Hex Head	Flat Head	Under 500 lbs.	Over 500 lbs.	Over 5000 lbs.	Zinc Plated Carbon Steel	Galvanized Steel	Stainless Steel	Approvals/ Listings 1. ICC-ES 2. FM 3. UL 4. COLA 5. Miami-Dade 6. NSF/WQA 7. LEED 8. Cored Holes	Similar Anchoring Products
Pure220+™ High Strength Epoxy Anchoring System				■	■	□		□							3/8" - 1-1/4" #3 - #11 Rebar	■				■	■	■	■	■	■	1, 6, 7	Hilti RE 500 V3 Simpson SET 3G
Pure110+® High Strength Epoxy Anchoring System				■	■	■	■	■	□	□					3/8" - 1-1/4" #3 - #11 Rebar	■				■	■	■	■	■	■	1, 4, 6, 7, 8*	Hilti RE 500 V3 Simpson SET-XP Simpson SET 3G
Pure50+™ Epoxy Anchoring System				■	■	■		■							3/8" - 1-1/4" #3 - #10 Rebar	■				■	■	■	■	■	■	1, 4, 6, 7	Hilti RE 100 Simpson SET
AC200+™ High Strength Acrylic Anchoring System				■	■	□		□							3/8" - 1-1/4" #3 - #10 Rebar	■				■	■	■	■	■	■	1, 4, 6, 7	Hilti HY 200 Simpson AT-3G
AC100+ Gold® Vinylester Adhesive Anchoring System				■	■	□	■	■	■	■					3/8" - 1-1/4" #3 - #10 Rebar	■				■	■	■	■	■	■	1, 4, 6, 7	Hilti HY 100 Hilti HY 270 Simpson AT-XP

EXPANSION ANCHORS

Power-Stud®+ SD1 Carbon Steel Wedge-Anchor				■	■	■									1/4" - 1-1/4"	■				■	■	■				1, 2, 3, 4	Hilti Kwik Bolt 3 (KB3) Hilti KB1 Simpson Strong Bolt 2
Power-Stud®+ SD2 High Performance Carbon Steel Wedge-Anchor				■	■	■									3/8" - 3/4"	■				■	■	■	■			1, 2, 3, 4	Hilti Kwik Bolt TZ/TZ2 Simpson Strong Bolt 2
Power-Stud®+ SD4 304 Stainless Steel Wedge-Anchor				■	■	■									1/4" - 3/4"	■				■	■	■		■		1, 4	Hilti Kwik Bolt 3 (KB3) / KB TZ/TZ2 SS Simpson Strong Bolt 2
Power-Stud®+ SD6 316 Stainless Steel Wedge-Anchor				■	■	■									1/4" - 3/4"	■				■	■	■		■		1, 4	Hilti Kwik Bolt 3 (KB3) / KB TZ/TZ2 SS Simpson Strong Bolt 2
Power-Stud® HD5 Hot-Dip Galvanized Wedge Expansion Anchor				■		■									3/8" - 3/4"	■				■	■	■	■				Hilti Kwik Bolt 3 (KB3)

SCREW ANCHORS

Screw-Bolt+™ High Performance Screw Anchor				■	■	■		■							1/4" - 3/4" (Zinc Plated & Mech Galv)			■		■	■	■	■	■		1, 4	Hilti KH-EZ / KWIK Simpson Titen HD
Screw-Bolt+™ Flat Head High Performance Screw Anchor				■	■	■		■							1/4" - 3/4" (Zinc Plated & Mech Galv)				■	■	■		■			1, 4	Hilti KH-EZ / KWIK Simpson Titen HD Hilti KH-EZ SS316
316 Stainless Steel Wedge-Bolt™ Screw Anchor				■	■	■									1/4" - 1/2"					■	■			■			Simpson Stainless Steel Titen HD
UltraCon®+ Concrete Screw Anchor				■	■	■	■	■					■		3/16" - 1/4"			■	■	■	■					1, 4, 5	Simpson Titen Turbo ITW Tapcon

SPECIALTY ANCHORS

CCU+™ Heavy Duty Undercut Anchor				■	■										3/8" - 3/4" anchor rod Carbon Steel & Stainless Steel	■				■	■	■	■	■		1, 4	Hilti HDA Undercut Simpson TCA
Power-Bolt®+ Heavy Duty Sleeve Anchor				■	■										1/4" - 3/4" Carbon Steel			■		■	■	■	■			1, 4	Hilti HSL-3/HSL-4

MEP THREADED ROD HANGING ANCHORS

Snake+® Rod Hanger / Screw Anchor			■	■											1/4" - 1/2"					■	■	■				1, 2, 4	No Similar Product
Smart DI™ Internally Threaded Expansion Anchor			■												1/4" - 1/2"					■	■	■				2, 3	Hilti HDI
Hangermate®+ (Concrete) Rod Hanging Anchor			■	■	□										1/4" - 1/2"					■	■					1, 2, 4	ITW Sammys Hilti KH-EZI Simpson Titen Rod Hanger
Hangermate® (Steel, Wood) Rod Hanging Anchor													■		1/4" - 3/8"					■						2, 3	ITW Sammys
Mini-Undercut+™ Rod Hanger for PT Slabs and Hollow Core Plank			■	■	■										3/8"					■						1, 4	Hilti HDI-TZ
Bang-It®+ Metal deck cast in place anchor			■	■											1/4" - 3/4"					■	■	■				1, 2, 3, 4	Hilti KCM-MD Hilti KCC-MD
Wood-Knocker®II+ / Pan-Knocker™II+ Cast-in-Place Anchor for Forms			■	■											1/4" - 3/4"					■	■	■				1, 2, 3, 4	Hilti KCM-WF Hilti KCC-WF Hilti KCM-PD
DDI+™ (Deck Insert) Metal Deck Cast In Place Anchor			■	■											3/8" - 7/8"					■	■	■				1, 2, 3, 4	No Similar Product

MEDIUM / LIGHT DUTY ANCHORS

Polly™ Hollow Wall Anchor												■	■		Wall Thickness 1/8" - 1-1/8"		■			■							ITW Red Head Poly-Set® Anchor
Toggle Bolt Hollow Wall Anchor					■		■		□		■	□			1/8" x 2" - 1/2" x 4"		■		■	■		■					
Sharkie™ Wall Anchor			■	■	■	■	■	■	■	■	■	■	■		#4-#10, #6-#12, #8-#14 Screw					■							
Strap-Toggle™ Hollow Wall Anchor				□		■		□		■					3/16" - 1/2"		■			■		■					Hilti HTB Toggle Bolt
Zip-Toggle® Hollow Wall Anchor												■			#6 x 2					■							
Wall-Dog™ Universal Light Duty Anchor			■	■		■	■	■	■	■	■	■	■		1/4" Diameter with #8 Head		■	■		■							
Bantam Plug Plastic Wall Anchor			■	■		■	■	■	■	■	■				#6-8 x 3/4" - #14-16 x 1-1/2"					■							Hilti HUD-1 Wall Plug
Zip-It® Zinc or Nylon Wallboard Anchor												■			#6 to #8 Screws					■							ITW Red Head EZ Simpson Sure Wall
Lok-Bolt AS® Sleeve Anchor			■	□	□	■	■	■	□						1/4" - 3/4"	■	■		■	■							Hilti HLC Sleeve
Hollow-Set Dropin™ Internally Threaded Expansion Anchor			■	□	■	■	■	■	□						1/4" - 5/8"					■						3	Simpson HDIA
Zamac Hammer-Screw® Nail Anchor			■	□		■									1/4" x 3/4" - 1/4" x 3"				■	■							Hilti HPS-1
Zamac Nailin® Nail Anchor			■	□		■	■								3/16" x 7/8" - 1/4" x 3"				■	■							Hilti HMH Nail In
Spike® Pin Anchor			■	■		■									3/16" - 1/2"		■			■	■	■	■	■			Simpson Crimp Drive®
Calk-In™ Mechanical Bolt Anchor			■			■									#8 Screw to 1/2"					■							
Double™ Shield Expansion Anchor			■	□		■	■	■							1/4" - 3/4"					■							

■ Suitable □ May Be Suitable *DEWALT Tech Bulletin

For technical support please contact a DeWALT Product & Code Expert at 800-524-3244 or visit our website at www.DeWALT.com

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