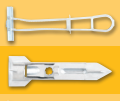
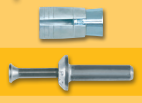
DEWALT

# ANCHOR SELECTION GUIDE

## ANCHORS & FASTENERS

| | | | 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 7. LEED 8. Cored Holes | Similar Anchoring Products |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **ADHESIVE ANCHORING SYSTEMS** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Pure110+®** High Strength Epoxy Anchoring System | DUST X+ | ICC-ES ESR-3298 | | ■ | ■ | | ■ | ■ | ■ | □ | □ | | | | 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 | DUST X+ | ICC-ES ESR-3576 | | ■ | ■ | | ■ | | ■ | | | | | | 3/8" - 1-1/4" #3 - #10 Rebar | ■ | | | | ■ | ■ | ■ | ■ | ■ | ■ | 1, 4, 6, 7 | Hilti RE 500 SD Hilti RE 100 Simpson SET |
| **AC200+™** High Strength Acrylic Anchoring System | DUST X+ | ICC-ES ESR-4027 | | ■ | ■ | | □ | | □ | | | | | | 3/8" - 1-1/4" #3 - #10 Rebar | ■ | | | | ■ | ■ | ■ | ■ | ■ | ■ | 1, 4, 6, 7 | Hilti HY 200 |
| **AC100+ Gold®** Vinylester Adhesive Anchoring System | | ICC-ES ESR-2582, ESR-3200, ESR-4105 | | ■ | ■ | □ | ■ | ■ | ■ | ■ | ■ | | | | 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 | DUST X+ | ICC-ES ESR-2818, ESR-2966 | | ■ | ■ | | ■ | | | | | | | | 1/4" - 1-1/4" | ■ | | | | ■ | ■ | ■ | ■ | | | 1, 2, 3, 4 | Hilti Kwik Bolt 3 (KB3) Hilti KBV-TZ Simpson Strong Bolt 2 |
| **Power-Stud®+ SD2** High Performance Carbon Steel Wedge-Anchor | DUST X+ | ICC-ES ESR-2502 | | ■ | ■ | | ■ | | | | | | | | 3/8" - 3/4" | ■ | | | | ■ | ■ | ■ | ■ | | | 1, 2, 3, 4 | Hilti Kwik Bolt TZ Simpson Strong Bolt 2 |
| **Power-Stud®+ SD4** 304 Stainless Steel Wedge-Anchor | DUST X+ | ICC-ES ESR-2502 | | ■ | ■ | | ■ | | | | | | | | 1/4" - 3/4" | ■ | | | | ■ | ■ | ■ | | | ■ | 1, 4 | Hilti Kwik Bolt 3 (KB3) / KB TZ SS Simpson Strong Bolt 2 |
| **Power-Stud®+ SD6** 316 Stainless Steel Wedge-Anchor | DUST X+ | ICC-ES ESR-2502 | | ■ | ■ | | ■ | | | | | | | | 1/4" - 3/4" | ■ | | | | ■ | ■ | ■ | | | ■ | 1, 4 | Hilti Kwik Bolt 3 (KB3) / KB TZ SS Simpson Strong Bolt 2 |
| **Power-Stud® HD5** Hot-Dip Galvanized Wedge Expansion Anchor | | | | ■ | | | ■ | | | | | | | | 3/8" - 3/4 " | ■ | | | | ■ | ■ | ■ | | ■ | | | |
| **SCREW ANCHORS** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Screw-Bolt+™** High Performance Screw Anchor | DUST X+ | ICC-ES ESR-3889, ESR-4042 | | ■ | ■ | | ■ | | ■ | | | | | | 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 | DUST X+ | ICC-ES ESR-3889, ESR-4042 | | ■ | ■ | | ■ | | ■ | | | | | | 1/4" - 3/4" (Zinc Plated & Mech Galv) | | | | ■ | ■ | ■ | | ■ | | | 1, 4 | Hilti KH-EZ / KWIK Simpson Titen HD |
| **316 Stainless Steel Wedge-Bolt™** Screw Anchor | | | | ■ | | | ■ | | | | | | | | 1/4" - 1/2" | | | | | ■ | ■ | | | | ■ | | Simpson Titen HD |
| **UltraCon®+** Concrete Screw Anchor | DUST X+ | ICC-ES ESR-3068, ESR-3196, ESR-3042, ESR-3213 | | ■ | ■ | | ■ | ■ | ■ | | | | | ■ | 3/16" - 1/4" | | | ■ | ■ | ■ | ■ | | | | | 1, 4, 5 | Simpson Titen Turbo ITW Tapcon |
| **SPECIALTY ANCHORS** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **CCU+™** Heavy Duty Undercut Anchor | DUST X+ | ICC-ES ESR-4810 | | ■ | ■ | | | | | | | | | | 3/8" - 3/4" anchor rod Carbon Steel & Stainless Steel | ■ | | | | ■ | ■ | ■ | ■ | | ■ | 1, 4 | Hilti HDA Undercut Simpson Torq-Cut |
| **Power-Bolt®+** Heavy Duty Sleeve Anchor | DUST X+ | ICC-ES ESR-3260 | | ■ | ■ | | | | | | | | | | 1/4" - 3/4" Carbon Steel | | | ■ | | ■ | ■ | ■ | ■ | | | 1, 4 | Hilti HSL-3 |
| **MEP THREADED ROD HANGING ANCHORS** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Snake+®** Rod Hanger / Screw Anchor | | ICC-ES ESR-2272 | | ■ | ■ | | | | | | | | | | 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 | | ICC-ES ESR-3889 | | ■ | | | | | | | | | | | 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 | | ICC-ES ESR-3912 | | ■ | ■ | ■ | | | | | | | | | 3/8" | | | | | ■ | | | | | | 1, 4 | Hilti HDI-TZ |
| **Bang-It®+** Metal deck cast in place anchor | | ICC-ES ESR-3657 | | ■ | ■ | | | | | | | | | | 1/4" - 3/4" | | | | | ■ | ■ | | ■ | | | 1, 2, 3, 4 | Hilti HCI-MD KCS-MD |
| **Wood-Knocker®II+** Cast-in-Place Anchor for Forms | | ICC-ES ESR-3657 | | ■ | ■ | | | | | | | | | | 1/4" - 3/4" | | | | | ■ | ■ | | ■ | | | 1, 2, 3, 4 | Hilti HCI-WF Hilti KCS-WF |
| **DDI+™ (Deck Insert)** Metal Deck Cast In Place Anchor | | ICC-ES ESR-3657 | | ■ | ■ | | | | | | | | | | 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 | | ■ | ■ | | ■ | | | | | | | Simpson Sure Wall |
| **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 |
| **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" | | | | | ■ | | | | | | | | |
| **Single™** Shield Expansion Anchor | | |  | ■ | | | | | | | | | | 1/4" - 5/8" | | | | | ■ | | | | | | | | |

■ Suitable □ May Be Suitable

**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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