DDA
DeWALT DESIGN ASSIST™

THE COMPLETE SOFTWARE
FOR ANCHORING TO CONCRETE
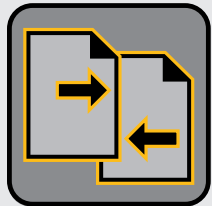
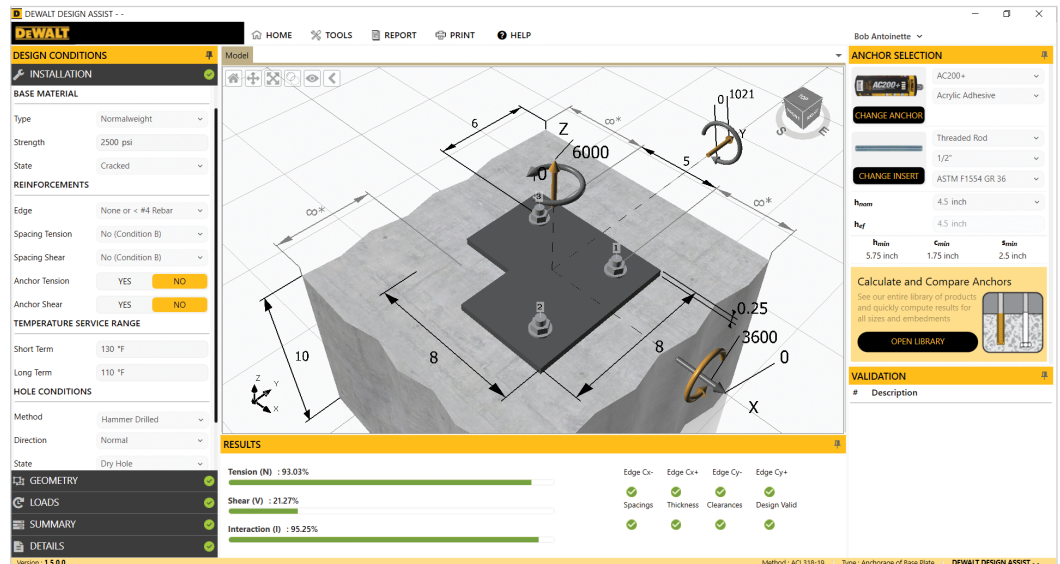- **DESIGN**
- **COMPARE**
- **DOCUMENT**
- **ANCHOR**

Building with steel and concrete takes vision, power, and structural design without limits.

DeWALT DESIGN ASSIST™ (DDA) is a no cost/no fee state-of-the-art structural design software that streamlines, automates, and optimizes your concrete anchoring design process. With multiple design standards to choose from, a comprehensive library of anchors, numerous reporting options, and a wide range of design tools, simplify your design process with DeWALT Design Assist.

ANCHOR TYPES
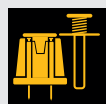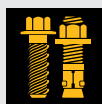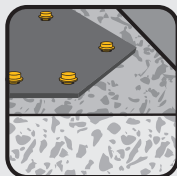
- Cast-in-Place
- Mechanical
- Adhesives

CODE COMPLIANCES

- ☑ ACI 318-19
- ☑ ACI 318-14
- ☑ CSA A23.3-19
- ☑ CSA A23.3-14

DOWNLOAD THE FULL SUITE FREE AT
## DEWALT.COM/DDA

DEWALT
ANCHORS & FASTENERS

KEY FEATURES AND BENEFITS

Base Plate Anchorage
The standard tool to use when considering anchorage to concrete, allows complete geometric flexibility with the anchor patterns or base plate shape. Designs are calculated to be compliant with the latest major published design criteria and use products that have been tested by independent approval bodies for performance.
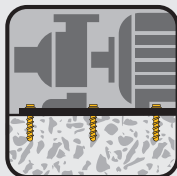
Equipment Anchorage
Further extending the functionality of base plate designs, you can now leverage this tool to model wind and seismic forces acting on equipment and resolve optimal anchorage solutions at a larger scale.

Anchorage to Deck Members
Into the floor or overhead, this functionality considers the unique designs where anchoring to concrete deck members is required. Various considerations are taken into account for the multiple cast-in or post-installed products DEWALT has to offer.
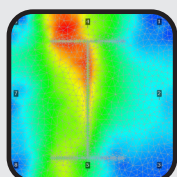
Base Plate Thickness Solver
Using finite element analysis, this tool discretizes the baseplate into elements to calculate the optimal thickness to determine when the plate is infinitely rigid. A heat map is generated to highlight the distribution of the stresses on the plate.
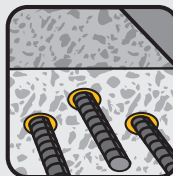
Post-Installed Rebar Design
Enables the design of post-installed rebar doweling using cast-in place design methodology rather than the limit states used in anchor design.
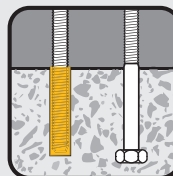
Anchor Comparisons
Comparisons of anchors can occur in several ways within DEWALT Design Assist. For a broad analysis, quickly calculate and filter the entire anchor library with a click of a button. To take a more detailed look, use the Anchor Comparison Tool to easily see differences across anchor types, sizes and brands to intelligently and effectively select the optimal product for your design.

Independently Verified
To provide the best possible design aid DEWALT has partnered with leading engineering firms for the development of the core calculation logic. In addition to extensive internal software testing, various design scenarios were independently validated to ensure accuracy and precision for the most critical designs.
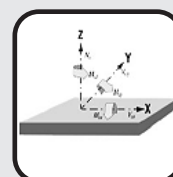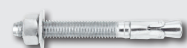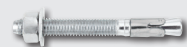
Versatility
Adaptable approach in DDA allows designer to choose between pre-defined or customized load combinations. Advanced interaction of tension and shear forces feature allows designer to choose between trilinear (1.2) option and traditional (5/3) approach.

EXTENSIVE PRODUCT LIBRARY

Mechanical

Power-Stud®+ SD1

Power-Stud®+ SD2

Power-Stud®+ SD4
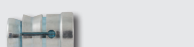
Power-Stud®+ SD6

CCU+™

Power-Bolt®+

Screw-Bolt+™
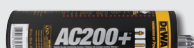
Flat Head Screw-Bolt+™

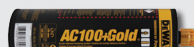Hangermate®+

UltraCon®+

Mini-Undercut+™

Snake+®

Adhesives

AC200+ ®

AC100+ Gold®

Pure110+®

Pure50+™

Cast-In Place

Wood-Knocker® II+
Wood-Knocker® II+ LP (Low Profile)
Wood-Knocker® II+ Multi Thread
Wood-Knocker® II+ Push-In Thread

Pan-Knocker® II+
Pan-Knocker® II+ LP (Low Profile)
Pan-Knocker® II+ Multi Thread
Pan-Knocker® II+ Push-In Thread

Bang-It®+
Bang-It®+ Multi Thread
Bang-It®+ Push-In Thread

DDI™ + (Deck Insert)

Headed Bolts & Hooked Bolts

AWS Studs (e.g. Nelson Studs)

AND MORE