

DEWALT

ANCHORS & FASTENERS

POWER-STUD[®] + SD1

WEDGE EXPANSION ANCHORS POWER-STUD[®] + SD1

TYPICAL APPLICATIONS

- Structural connections, like beam and column anchorage
- Safety-related attachments
- Protective barriers and racking
- Tension zone applications, like cable trays and strut, pipe supports, fire sprinklers
- Seismic and wind loading
- Interior applications / low level corrosion environment
- Meets BAA, AIS, BABA, and Buy America

FEATURES AND BENEFITS

- Consistent performance in high and low strength concrete
- Nominal drill bit size is the same as the anchor diameter
- Anchor can be installed through standard fixture holes
- Length ID code and identifying marking stamped on head of each anchor
- Anchor design allows for follow-up expansion after setting under tensile loading

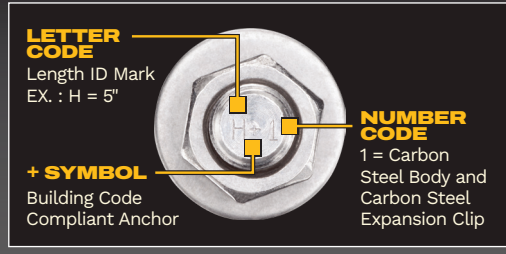
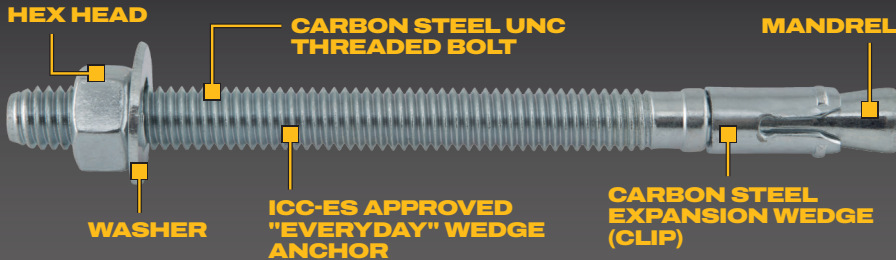


Scan to learn more about
DEWALT POWER-STUD[®] + SD1



WEDGE ANCHORS

POWER-STUD®+ SD1



APPROVALS

ICC ES

ICC-ES ESR-2818 2024
Concrete 2021
ICC-ES ESR-2966 2018
Masonry 2015

IBC IRC

Recognition in cracked and uncracked concrete including seismic and wind loading (Category 1 Anchors)

F.M. APPROVED

FM & UL listings:
www.DEWALT.com

UL

BASE MATERIALS

Normal Weight Concrete

Lightweight Concrete

Concrete Over Steel Deck

Grouted Masonry

POWER-STUD®+ SD1 PRODUCT DETAILS

IMPORTED CAT #	DOMESTIC CAT #	ANCHOR SIZE	THREAD LEN	CTN	MSTR
7400SD1-PWR*	7400SD1USA-PWR*	1/4" x 1-3/4"	3/4"	100	600
7402SD1-PWR	7402SD1USA-PWR	1/4" x 2-1/4"	1-1/4"	100	600
7404SD1-PWR	7404SD1USA-PWR	1/4" x 3-1/4"	2-1/4"	100	600
7410SD1-PWR*	7410SD1USA-PWR*	3/8" x 2-1/4"	7/8"	50	300
7412SD1-PWR*	7412SD1USA-PWR*	3/8" x 2-3/4"	1-3/8"	50	300
7413SD1-PWR	7413SD1USA-PWR	3/8" x 3"	1-5/8"	50	300
7414SD1-PWR	-	3/8" x 3-1/2"	2-1/8"	50	300
7415SD1-PWR	7415SD1USA-PWR	3/8" x 3-3/4"	2-3/8"	50	300
7416SD1-PWR	7416SD1USA-PWR	3/8" x 5"	3-5/8"	50	300
7417SD1-PWR	7417SD1USA-PWR	3/8" x 7"	5-5/8"	50	200
7420SD1-PWR*	7420SD1USA-PWR*	1/2" x 2-3/4"	1"	50	200
7422SD1-PWR	7422SD1USA-PWR	1/2" x 3-3/4"	2"	50	200
7423SD1-PWR	7423SD1USA-PWR	1/2" x 4-1/2"	2-3/4"	50	200
7424SD1-PWR	7424SD1USA-PWR	1/2" x 5-1/2"	3-3/4"	50	150
7426SD1-PWR	7426SD1USA-PWR	1/2" x 7"	5-1/4"	25	100
7427SD1-PWR	7427SD1USA-PWR	1/2" x 8-1/2"	6-3/4"	25	100
7428SD1-PWR	-	1/2" x 10"	8-1/4"	25	100
7430SD1-PWR*	7430SD1USA-PWR*	5/8" x 3-1/2"	1-1/2"	25	100
7432SD1-PWR	7432SD1USA-PWR	5/8" x 4-1/2"	2-1/2"	25	100
7433SD1-PWR	7433SD1USA-PWR	5/8" x 5"	3"	25	100
7434SD1-PWR	7434SD1USA-PWR	5/8" x 6"	4"	25	75

POWER-STUD®+ SD1 PRODUCT DETAILS

IMPORTED CAT #	DOMESTIC CAT #	ANCHOR SIZE	THREAD LEN	CTN	MSTR
7436SD1-PWR	7436SD1USA-PWR	5/8" x 7"	5"	25	75
7438SD1-PWR	7438SD1USA-PWR	5/8" x 8-1/2"	6-1/2"	25	50
7439SD1-PWR	-	5/8" x 10"	8"	25	50
7440SD1-PWR*	7440SD1USA-PWR*	3/4" x 4-1/4"	1-3/4"	20	60
7441SD1-PWR*	7441SD1USA-PWR	3/4" x 4-3/4"	2-1/4"	20	60
7442SD1-PWR	7442SD1USA-PWR	3/4" x 5-1/2"	3"	20	60
7444SD1-PWR	7444SD1USA-PWR	3/4" x 6-1/4"	3-3/4"	20	60
7446SD1-PWR	7446SD1USA-PWR	3/4" x 7"	4-1/2"	20	60
7448SD1-PWR	7448SD1USA-PWR	3/4" x 8-1/2"	6"	10	40
7449SD1-PWR	-	3/4" x 10"	7-1/2"	10	40
7451SD1-PWR	-	3/4" x 12"	9-1/2"	10	20
7450SD1-PWR*	-	7/8" x 6"	2-3/4"	10	40
7452SD1-PWR	-	7/8" x 8"	4-3/4"	10	40
7454SD1-PWR	-	7/8" x 10"	6-3/4"	10	20
7461SD1-PWR*	-	1" x 6"	2-3/8"	10	20
7463SD1-PWR	-	1" x 9"	5-3/8"	10	20
7465SD1-PWR	-	1" x 12"	8-3/8"	5	10
7473SD1-PWR	-	1-1/4" x 9"	4-3/4"	5	10
7475SD1-PWR	-	1-1/4" x 12"	7-3/4"	5	10
7473SD1-PWR	-	1-1/4" x 9"	4-3/4"	5	15
7475SD1-PWR	-	1-1/4" x 12"	7-3/4"	5	15

* Less than the minimum standard anchor length for Strength Design. Published length is the overall length of the anchor. Allow for fixture thickness plus one anchor diameter for the nut and washer thickness when selecting a length. Packaged with nuts and washers.



DUST X+
ANCHOR INSTALLATION SYSTEM

+

+

+

UPGRADE FROM TRADITIONAL HOLE CLEANING

OSHA COMPLIANT
1926.1153

ICC ES

DDA
DEWALT DESIGN ASSIST™

+

A WORLD-CLASS CONNECTION DESIGN SOFTWARE FOR CONCRETE ANCHORING

Download DDA™ and experience our **free** concrete anchoring design software.

DEWALT.COM/DDA

RELATED PRODUCTS

DCH293R2DH

20V MAX* XR® SDS Plus Rotary Hammer with On-Board Dust Collection

DCH273P2DHO

20V MAX* XR® SDS Plus Rotary Hammer with On-Board Dust Extractor

DWH050K

Large Hammer Dust Extraction Kit

DWV015

10-Gallon HEPA/RRP Wet/Dry Dust Extractor

HOLLOW DRILL BIT

SDS PLUS and SDS MAX Carbide Bits

Copyright ©2025 DEWALT. The following are trademarks for one or more DEWALT power tools, accessories, anchors and concrete adhesives: The yellow and black color scheme; the "D"-shaped air intake grill; the array of pyramids on the handgrip; the kit box configuration; and the array of lozenge-shaped humps on the surface of the tool.