

AWSD Series - Power Stud+[†] SD2 Seismic Wedge Anchors

Features:

- Fully threaded, torque-controlled, wedge anchor which is designed for consistent performance in cracked and uncracked concrete.
- For use in concrete, structural sand lightweight concrete, and concrete over metal deck.
- Nominal drill bit size is the same as the anchor diameter.
- ICC-ES listed, ESR-2502, Category 1
- Zinc plated carbon steel body with stainless steel expansion clip from premium performance.
- Qualified for seismic and wind loading.

Approvals: Included in our Seismic Engineering Guidelines approved by the State of California Office of Statewide Health Planning and Development (OSHPD). For additional load, spacing and placement information relating to OSHPD projects, please refer to our Seismic Engineering Guidelines, OPM-0052-13.

ICC-ES Certified. See ICC-ESR-2502

UL (Underwriters Laboratories) Listed

FM (Factory Mutual) Approved

Refer to pages 11-20 through 11-23 in Seismic Engineering Guidelines OPM-0052-13 for approval OSHPD structural attachment data.



OPM



Seismic Wedge Anchor - Data	3/8"-16	1/2"-13	5/8"-11	3/4"-10
ANSI Drill Bit Size (in. - mm)	3/8" - (9.5mm)	1/2" - (12.7mm)	5/8" - (15.9mm)	3/4" - (19.0mm)
Fixture Clearance Hole (in. - mm)	7/16" - (11.1mm)	9/16" - (14.3mm)	11/16" - (17.5mm)	13/16" - (20.6mm)
Minimum Hole Depth (in. - mm)	2 ⁵ / ₈ " - (66.7mm)	2 ³ / ₄ " - (69.8mm)	4 ¹ / ₄ " - (107.9mm)	5" - (127.0mm)
Minimum Concrete Thickness (in. - mm)	4" - (101.6mm)	4 ¹ / ₂ " - (114.3mm)	5 ³ / ₄ " - (146.0mm)	7" - (177.8mm)
Max. Tightening Torque (lbs-ft - N•m)	20 lbs-ft - (27.1N•m)	40 lbs-ft - (54.2N•m)	60 lbs-ft - (81.3N•m)	110 lbs-ft - (149.1N•m)
Min. Embedment Depth (in. - mm)	2 ³ / ₈ " - (60.3mm)	2 ¹ / ₂ " - (63.5mm)	3 ⁷ / ₈ " - (98.4mm)	4 ¹ / ₂ " - (114.3mm)

For loading information, refer to the ICC-ES ESR-2502 evaluation report.

Wedge Anchor Part No.	Anchor Size		Thread Length		Wt./100			
	Diameter in.	(mm)	Length in.	(mm)	in.	(mm)	Lbs.	(kg)
AWSD-37-300	3/8"	(9.5)	3"	(76.2)	1 ³ / ₄ "	(44.4)	11.4	(5.2)
AWSD-37-350	3/8"	(9.5)	3 ¹ / ₂ "	(88.9)	2 ¹ / ₄ "	(57.1)	12.2	(5.5)
AWSD-37-375	3/8"	(9.5)	3 ³ / ₄ "	(95.2)	2 ¹ / ₂ "	(63.5)	13.2	(6.0)
AWSD-37-500	3/8"	(9.5)	5"	(127.0)	3 ³ / ₄ "	(95.2)	16.0	(7.2)
AWSD-50-375	1/2"	(12.7)	3 ³ / ₄ "	(95.2)	2 ¹ / ₈ "	(54.0)	23.0	(10.4)
AWSD-50-450	1/2"	(12.7)	4 ¹ / ₂ "	(114.3)	2 ⁷ / ₈ "	(73.0)	26.6	(12.0)
AWSD-50-550	1/2"	(12.7)	5 ¹ / ₂ "	(139.7)	3 ⁷ / ₈ "	(98.4)	34.0	(15.4)
AWSD-50-700	1/2"	(12.7)	7"	(177.8)	5 ³ / ₈ "	(136.5)	38.0	(17.2)
AWSD-62-475	5/8"	(15.9)	4 ³ / ₄ "	(120.6)	2 ⁷ / ₈ "	(73.0)	50.3	(22.8)
AWSD-62-500	5/8"	(15.9)	5"	(127.0)	3 ¹ / ₈ "	(79.4)	52.0	(23.6)
AWSD-62-600	5/8"	(15.9)	6"	(152.4)	4 ¹ / ₈ "	(104.8)	58.8	(26.7)
AWSD-62-700	5/8"	(15.9)	7"	(177.8)	5 ¹ / ₈ "	(130.2)	65.2	(29.6)
AWSD-75-550	3/4"	(19.0)	5 ¹ / ₂ "	(139.7)	3 ¹ / ₄ "	(82.5)	81.5	(36.9)
AWSD-75-625	3/4"	(19.0)	6 ¹ / ₄ "	(158.7)	4"	(101.6)	94.0	(42.6)
AWSD-75-700	3/4"	(19.0)	7"	(177.8)	4 ³ / ₄ "	(120.6)	106.5	(48.3)

[†] Power Stud+[®] SD2 is a registered trademark used by DeWalt.

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.