



# Drop-In Anchors

## KEY FEATURES/BENEFITS

- **Ideal for Overhead Applications.** Requires relatively shallow embedment and eliminates requirement for rod couplings when threaded rod is dropped from ceiling.
- **Highly Dependable.** Complete anchor setting is assured; simply drive the internal expander plug home with a hammer or mallet.
- **Lipped Version.** Anchor sets flush with concrete.



# Mini Drop-In Anchor

## KEY FEATURES/BENEFITS

- **Ideal for hollow core, precast and post tension slabs.**



WDM 38

## SPECIFICATIONS, APPROVALS AND LISTINGS

TYPE	
Zinc Plating Carbon	ASTM B-633 Type III, SCI (Clear Chromate added)
Stainless Steel	Type 303
Federal Specifications	FFS-325, Group VIII, Type I
Underwriters Laboratory	File #EX 3875
UNC	Coarse Thread

## EDGE DISTANCE AND SPACING REQUIREMENTS

Embedment (E) in Anchor Diameters (d)	Spacing	Edge Distance
E < 6d (shallow)	3.50E	1.75E
6d E 8d (standard)	2.00E	1.00E
8d < E (deep)	1.50E	0.75E

## MAXIMUM TENSILE AND SHEAR GUIDELINES FOR STATIC LOADS

Catalog Number	Anchor Thread Diameter (in)	Drill Diameter (in)	Maximum Tightness Torque T/Max (ft-lbs)	Embedment Depth (in)	Unreinforced Stone Aggregate Concrete 4000 psi	
					Tension (lbs)	Shear (lbs)
WD14	1/4	3/8	5	1	2629	1709
WDL14	1/4	3/8	5	1	2629	1709
WDM38	3/8	1/2	5	3/4	2230	2903
WD38	3/8	1/2	10	1 5/8	4165	2889
WDL38	3/8	1/2	10	1 5/8	4165	2889
WD12	1/2	5/8	20	2	7114	5060
WDL12	1/2	5/8	20	2	7114	5060
WD58	5/8	7/8	40	2 1/2	8571	8263
WD34	3/4	1	70	3 1/4	12971	11760

## ORDER INFORMATION

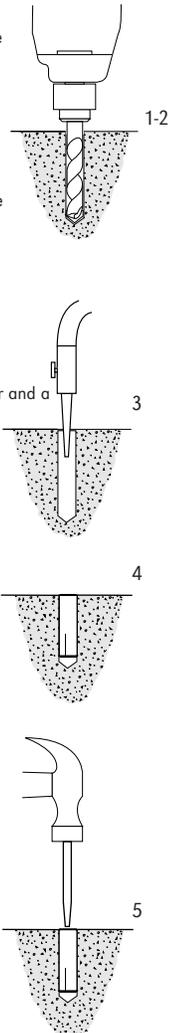
Catalog Number	Lipped Carbon	Stainless Steel	Setting Tool	Anchor Thread Size (in)	Anchor Diameter & Length (in)	Quantity Box/ Carton
WD14	WDL14	WDS14	ST14	1/4	3/8 x 1	100/1000
	WDM38	•	STM38	3/8	1/2 x 3/4	50/500
WD38	WDL38	WDS38	ST38	3/8	1/2 x 1 5/8	50/500
WD12	WDL12	WDS12	ST12	1/2	5/8 x 2	50/500
WD58	•	•	ST58	5/8	7/8 x 2 1/2	25/200
WD34	•	•	ST34	3/4	1 x 3 1/4	25/150

### NOTES:

- Source (Available on request): SGS U.S. Testing Co., Inc., Tulsa, OK; 1996.

## INSTALLATION INSTRUCTIONS

1. Select the proper size drill bit from the Maximum Tensile chart. Drill the hole perpendicular to the work surface.\* To assure full holding power, do not ream the hole or allow the drill to wobble.
2. Drill the hole at least as deep as the full length of the anchor, but not closer than two anchor diameters to the bottom (opposite) surface of the concrete.
3. Clean the hole using compressed air and a nylon brush.
4. Tap the anchor, threaded portion last, into the hole. Make sure that the top of the anchor is flush with, or below, the level of the work surface.
5. Using only a setting tool, insert the setting tool into the threaded end of the anchor and expand the anchor by striking the end of the setting tool with a hammer. The anchor is set (fully expanded) when the shoulder of the **wej-it**® setting tool touches the **wej-it**® anchor. Full expansion is necessary for proper anchor performance.



\* **Always wear safety glasses.** Follow the drill manufacturer's safety instructions. Use only solid carbide-tipped drill bits meeting ANSI B212.15 diameter standards as listed on back cover.