RED HEAD
CONCRETE ANCHORING SPECIALISTS

Redi-Drive®
Anchors

Redi-Drive Anchors—High Performance Without Torquing

DESCRIPTION / SUGGESTED SPECIFICATIONS

Light-Duty Hammer-Drive Masonry Anchor

SPECIFIED FOR ANCHORAGE INTO CONCRETE, BLOCK AND BRICK

The Redi-Drive is a high performance small diameter one-piece hammer-drive anchor. The anchor holds based on a friction principle—the shank diameter is larger than the drill hole size. Anchors should be installed with carbide tipped hammer drill bits made in accordance to ANSI B212.15-1994

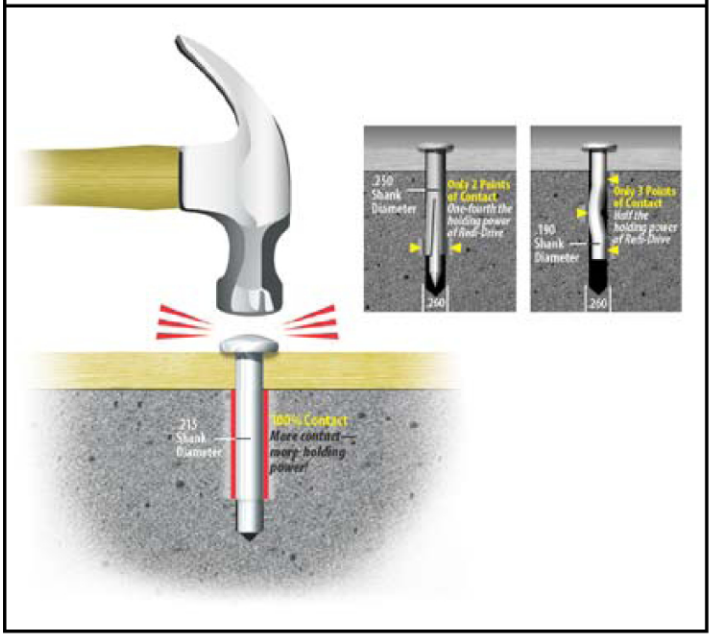
The Redi-Drive is available in four types... mushroom head, pipe-hanging (1/4" & 3/8"), Tie- Wire, and double head forming versions. Anchor performance in solid concrete at one inch embedment shall exceed 400 lbs. allowable tension load and 750 lbs. allowable shear load.

ADVANTAGES

- High performance provides superior holding values in concrete and other masonry materials
- Fire resistant
- Tamper resistant
- Standard 3/16" drill hole size—cheaper bit and faster installation
- Available in 3/4", 1-1/8", 1-5/8". 2", 2-1/2", and 3" lengths
- Most economical steel anchor available
- Provides fast, high performance drive-type fastening without torquing or need for special setting equipment

As simple as using a nail—
drive into predrilled holes for tremendous holding strength in concrete.

Compressive strength is created by forcing a larger diameter fastener into a smaller size hole.The greater the degree of contact the greater the holding power.



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SELECTION CHART

Redi-Drive Anchors

Typical Applications
Electrical Boxes, conduit clips, and duct work

PART NUMBER	HEAD DIA. In. (mm)	DRILL BIT SIZE In. (mm)	TOTAL LENGTH In. (mm)	MIN. EMBEDMENT In. (mm)	MAX. FIXTURE THICKNESS In. (mm)	CLEARANCE HOLE SIZE. In. (mm)	QTY/WT PER BOX Lbs.	QTY/WT PER MASTER CARTON Lbs.
RD4-034	7/16 (11.1)	3/16 (4.8)	3/4 (19.1)	11/16 (17.5)	1/16 (1.6)	1/4 (6.4)	100/1.4	1000/15
RD4-118	7/16 (11.1)	3/16 (4.8)	1-1/8 (28.6)	3/4 (19.1)	3/8 (9.5)	1/4 (6.4)	100/1.6	1000/17
RD4-158	7/16 (11.1)	3/16 (4.8)	1-5/8 (41.3)	3/4 (19.1)	7/8 (22.2)	1/4 (6.4)	100/2.2	1000/23
RD4-200	7/16 (11.1)	3/16 (4.8)	2 (50.8)	3/4 (19.1)	1-1/4 (31.8)	1/4 (6.4)	100/2.6	1000/26
RD4-212	7/16 (11.1)	3/16 (4.8)	2-1/2 (63.5)	3/4 (19.1)	1-3/4 (44.5)	1/4 (6.4)	100/3.2	1000/33
RD4-300	7/16 (11.1)	3/16 (4.8)	3 (76.2)	3/4 (19.1)	2-1/4 (57.2)	1/4 (6.4)	100/3.7	1000/37

SELECTION CHART

Redi-Drive Anchors

Tie Wire Typical Applications—
Acoustical ceilings, suspended electrical fixture, pencil rod

PART NUMBER	HEAD SIZE O.D. In. (mm)	DRILL BIT SIZE In. (mm)	TOTAL LENGTH In. (mm)	MIN. EMBEDMENT In. (mm)	HEAD HEIGHT In. (mm)	HEAD SIZE I.D.	QTY/WT PER BOX Lbs.	QTY/WT PER MASTER CARTON Lbs
TD4-112	3/16 (4.8)	3/16 (4.8)	2-1/8 (54.0)	1-1/4 (31.8)	5/8 (15.9)	9/32" HOLE	100/ 3.5	1000/ 35

Pipe Hanging Typical Apllications—
Fire sprinkler, water lines, steam/gas, cable tray, electrical conduit

PART NUMBER	INTERNAL THREAD SIZE I.D.	DRILL BIT SIZE In. (mm)	TOTAL LENGTH In. (mm)	MIN. EMBEDMENT In. (mm)	HEAD HEIGHT In. (mm)	INTERNAL THREAD DIAMETER O.D. In. (mm)	QTY/WT PER BOX Lbs.	QTY/WT PER MASTER CARTON Lbs
PD4-112	1/4 - 20"	3/16 (4.8)	2-1/8 (54.0)	1-1/4 (31.8)	5/8 (15.9)	13/32 (10.3)	100/ 3.0	1000/ 30
PD8-134	3/8 - 16"	1/4 (6.4)	2-1/2 (63.5)	1-3/4 (44.5)	3/4 (19.1)	9/16 (14.3)	100/ 6.0	1000/ 61

Forming—
Wood attachments to concrete are common Redi-drive applications, whether permanent or temporary

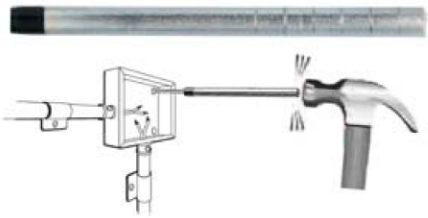
PART NUMBER	HEAR SIZE O.D. In. (mm)	DRILL BIT SIZE In. (mm)	TOTAL LENGTH In. (mm)	MIN. EMBEDMENT In. (mm)	HEAD HEIGHT In. (mm)	HEAD SIZE I.D.	QTY/WT PER BOX Lbs.	QTY/WT PER MASTER CARTON Lbs.
FD6-234	7/16 (11.1)	3/16 (4.8)	2-3/4 (69.9)	1-1/4 (31.8)	N/A	N/A	100/ 3.1	1000/ 31
FD8-234	7/16 (11.1)	1/4 (6.4)	2-3/4 (69.9)	1-1/4 (31.8)	N/A	N/A	100/ 5.6	1000/ 56

ACCESSORIES

Redi-Drive Setting Tool

Installs Redi-Drive anchors in tight and hard to access areas—easily and quickly.

Just place anchor in rubber "holding cap," place against work surface and hammer in anchors.



PART NUMBER	DESCRIPTION	QTY/WT PER BOX	QTY/WT PER MASTER CARTON
RDST	Redi-Drive Setting Tool	1/1	1/1

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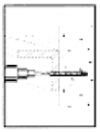
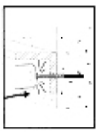
REDI-DRIVE ANCHORS INSTALLATION STEPS



1. Drill a 3/16" diameter hole (1/4" for 3/8" pipe drive) at a minimum depth (see chart) and clean hole.

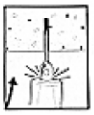


2. Insert anchor through material to be fastened (insert tie-wire or pipe version Redi-Drive Anchors into drilled holes) and drive anchor with a 3-lb. hammer until the head is flush with surface or desired embedment.

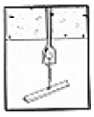
3. Anchor is now set.

REDI-TIE-DRIVE INSTALLATION STEPS

1. Drill 3/16" diameter hole in concrete.



2. Hammer in flat side of Redi-Drive 1-1/4".

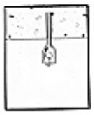


3. The Redi-Drive is set. Tie acoustical or electrical drop wire to open hole.

REDI-PIPE-DRIVE INSTALLATION STEPS

1. Drill 3/16" diameter hole for 1/4" anchor (1/4" diameter hole for 3/8" anchor).

2. Hammer in anchor 1-1/4" for 1/4" anchor (1-3/4" for 3/8" anchor).

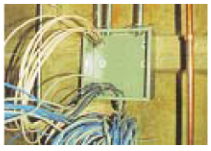


3. The Redi-Drive is set. Run 1/4" or 3/8" threaded rod or bolt into anchor.

APPLICATIONS

Signage and other light duty metal products are common applications for the Redi-Drive. It has superior performance in block, brick and solid concrete, and is tamper proof.

Wood attachments to concrete are common Redi-Drive applications, whether permanent or temporary.



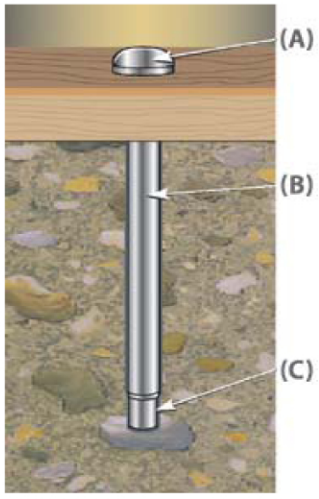
Electrical boxes and conduit clips that need permanent attachment are ideal applications for the Redi-Drive. It works well in all base materials and is fast and economical.

FEATURES

(A) **Tamper-Proof**—mushroom head

(B) **100% Hole Contact**—.215 shank in .198 hole

(C) **Dog-Point**—for easy insertion and installation



APPROVALS/ LISTINGS

Meets or exceeds U.S. Government G.S.A specification FF-S-325 Group VI

Factory Mutual (3/8" pipe-drive)

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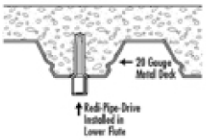
PERFORMANCE TABLE



Redi-Drive Anchors	Anchoring Overhead in 3000 PSI Lightweight Concrete on Metal Deck				
ANCHOR	DRILL HOLE DIAMETER In. (mm)	EMBEDMENT In. (mm)	3000PSI (20.7 MPa) CONCRETE		
			ULTIMATE TENSION LOAD Lbs. (k/N)		ALLOWABLE WORKING LOAD (k/N)
3/8" Pipe-Drive	1-1/4 (6.4)	1-1/2 (38.1)	Upper Flute	1,099 (4.9)	275 (1.2)
			Lower Flute	994 (4.4)	249 (1.1)

Safe working loads for single installations under static loading conditions should not exceed 25% of the ultimate capacity.

Redi-Drive Anchors	Ultimate Tension and Shear values (Lbs./Kn.) in Concrete, Hollow Block and Grout Filled						
SHANK DIA. ANCHOR	EMBEDMENT In. (mm)	4500 PSI (31.0 MPa)		CMU (HOLLOW BLOCK) PSI (MPa)		CMU (GROUT FILLED) PSI (MPa)	
		TENSION Lbs. (k/N)	SHEAR Lbs. (k/N.)	TENSION Lbs. (k/N)	SHEAR Lbs. (k/N.)	TENSION Lbs. (k/N)	SHEAR Lbs. (k/N.)
Redi-Drive	3/4 (19.1)	1,215 (5.4)	1,857 (8.3)	382 (1.7)	683 (3.0)	731 (3.3)	1,614 (7.2)
	1 (25.4)	1,667 (7.4)	3,112 (13.8)	392 (1.7)	987 (4.4)	870 (3.9)	1,766 (7.9)
	1-1/4 (31.8)	2,373 (10.6)	3,355 (14.9)	398 (1.8)	1,381 (6.1)	1,543 (6.9)	2,778 (12.4)
Tie-Drive or 1/4" Pipe-Drive	1-1/4 (31.8)	2,372 (10.6)	-- --	-- --	-- --	-- --	-- --
3/8" Pipe-Drive	1-1/2 (38.1)	2,090 (9.3)	-- --	-- --	-- --	-- --	-- --

Safe working loads for single installations under static loading conditions should not exceed 25% of the ultimate capacity.

The Redi-Drive is the most versatile of all these products. It can be used at all these embedment depths and is superior in pull-out performance to these competitive anchors.