

Redi-Drive Anchors



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 shall be installed with carbide-tipped hammer drill bits made in accordance to ANSI B212.15-1994.

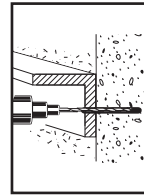
The Redi-Drive is available in four types... mushroom head, pipe-hanging (1/4" & 3/8") FM approved (on 3/8"), Tie-Wire, and double-head forming versions. Anchor performance in solid concrete at one inch embedment shall exceed 400 lbs. allowable tension load and 750 lbs. allowable shear load.

APPROVALS/LISTINGS

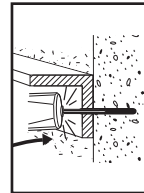
Meets or exceeds U.S. Government G.S.A. Specification FF-S-325 Group VI

Factory Mutual (3/8" pipe-drive)

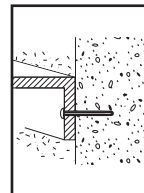
INSTALLATION STEPS FOR REDI-DRIVE



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

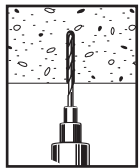


2. Insert anchor through material to be fastened (insert tie-wire or pipe version Redi-Drive Anchors into drilled holes) and drive anchor with a 3-lb. hammer until the head is flush with surface or desired embedment.

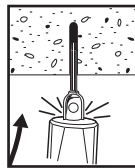


3. Anchor is now set.

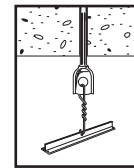
INSTALLATION STEPS FOR REDI-TIE-DRIVE



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

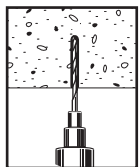


2. Hammer in flat side of Redi-Drive 1-1/4".

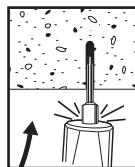


3. The Redi-Drive is set. Tie acoustical or electrical drop wire to open hole.

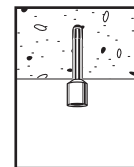
INSTALLATION STEPS FOR REDI-PIPE-DRIVE



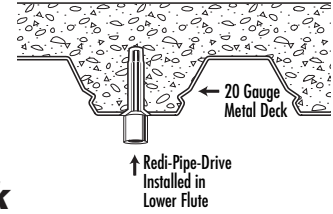
1. Drill 3/16" diameter hole for 1/4" anchor (1/4" diameter hole for 3/8" anchor).



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.



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. (kN)		ALLOWABLE WORKING LOAD Lbs. (kN)	
3/8" Pipe Drive	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 Shear and Tension 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. (kN)	SHEAR Lbs. (kN)	TENSION Lbs. (kN)	SHEAR Lbs. (kN)	TENSION Lbs. (kN)	SHEAR Lbs. (kN)
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)	-- --	-- --	-- --	-- --	-- --

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