

Product Information Report

Crete-Flex™ Anchors



Overview

Crete-Flex™ anchors are stainless steel, dual heat-treated fasteners with a corrosion-resistant finish. They are specifically designed to cut threads in all types of masonry including poured concrete, brick and concrete block.

Features/Benefits

- Fast installation – just drill hole with a carbide tip drill bit, then drive anchor
- Stalgard® coating provides superior corrosion resistance
- Available in hex washer head and phillips flat head styles

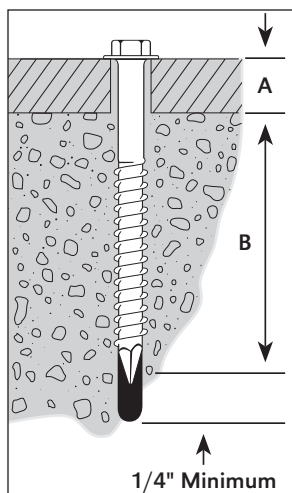
Applications



- Window and door frames
- Wood headers or furring strips to masonry
- Aluminum and steel framing to masonry
- Exterior insulation systems to masonry



Choosing Anchor Size



To determine the proper length of Crete-Flex™ anchor for an application, combine the thickness of the attachment (A) with the desired depth of embedment in the masonry material (B). It is recommended that embedment never be less than 1", or greater than 1-3/4".

Size	Length (Inches)	Hex Washer Head Item No.	Phillips Flat Head Item No.
#14-10	1-1/4	59655	59661
	1-3/4	59656	59662
	2-1/4	59657	59663
	2-3/4	59658	59664
	3-1/4	59659	59665

(1 of 2)

The Complete Crete-Flex™ System

Lawson Crete-Flex™ Carbide-Tipped Drill Bits



Crete-Flex™ is designed to work as a system. Therefore, consistent performance and maximum pull-out strength can be assured only when all three elements of the system are used. In addition to Crete-Flex™ Fasteners, the complete system consists of:

Crete-Flex™ Drill Bits have a special diameter of 0.234", and should be used for optimum performance. Consistent performance and maximum pull-out values can be assured only when genuine Crete-Flex™ drill bits are used along with a Model 1000 Installation Tool. Using the Crete-Flex™ drill bit, drill the depth of (see diagram on previous page).

Description	Item No.
Model 1000 Installation Tool Kit	96941
1/8" Hex Key (use with adapter 96942)	15303
Drill Bit Adapter	96942
Sleeve Assembly	96943
5/16" Socket for 1/4" Anchors	96944
1/4" Socket for 3/16" Anchors	96945
Phillips Socket	96946
#2 Phillips Bit for 3/16" Anchors	FA5502
#3 Phillips Bit for 1/4" Anchors	FA5504

Model 1000 Installation Tool

A multipurpose tool that is inserted into a 3/8" or 1/2" chuck of a standard hammer drill or electric drill.



Sleeve Assembly



5/16" Socket



Drill Bit Adapter



1. Drill hole 1/4" deeper than anchor is to be embedded.



2. Install drive sleeve over the drill bit.



3. Place head of anchor in hex socket, positioning the anchor in the drilled hole, and drive anchor until anchor is fully seated.

Strength Characteristics

Allowable Loads Testing in Concrete (3,350 PSI min.)

Embedment	Edge Distance	Spacing	Tension (Lbs.)	Shear (Lbs.)
1.00"	1"	6" O.C.	150	125
	1-3/4"	6" O.C.	165	215
	2-1/2"	6" O.C.	190	265
1-3/4"	1"	1-1/2" O.C.	320	-
		3" O.C.	388	178
		6" O.C.	390	310
	1-3/4"	6" O.C.	525	450
	2-1/2"	3" O.C.	314	467
		6" O.C.	625	645
2"	1"	6" O.C.	390	310
	1-3/4"	6" O.C.	525	450
	2-1/2"	6" O.C.	680	645

Allowable Loads Testing in Concrete (C90)

Embedment	Edge Distance	Spacing	Tension (Lbs.)	Shear (Lbs.)
1-1/4"	1"	6" O.C.	195	105
	1-3/4"	6" O.C.	290	339
		1-1/2" O.C.	126	266
			3" O.C.	126
1-5/8"	1"	6" O.C.	305	330
		6" O.C.	310	135