



**MIAMI-DADE COUNTY**  
**BUILDING CODE COMPLIANCE OFFICE (BCCO)**  
**PRODUCT CONTROL DIVISION**

**MIAMI-DADE COUNTY, FLORIDA**  
**METRO-DADE FLAGLER BUILDING**  
**140 WEST FLAGLER STREET, SUITE 1603**  
**MIAMI, FLORIDA 33130-1563**  
**(305) 375-2901 FAX (305) 372-6339**

**NOTICE OF ACCEPTANCE (NOA)**

[www.miamidade.gov/buildingcode](http://www.miamidade.gov/buildingcode)

**Porteous Fastener Company**  
**1040 Watson Center Road**  
**Carson, CA 90745**

**SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

**DESCRIPTION: Tapping Concrete Screws**

**APPROVAL DOCUMENT:** Drawing No. **PFC002**, titled "Tapping Concrete Anchor, Notes & Anchor Details", Sheet 1 of 1, dated 09/26/08, with revision A dated 03/18/09, prepared by Porteous Fasteners Co., signed and sealed by Kristina S. Daugherty, P.E., bearing the Miami-Dade County Product Control approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

**MISSILE IMPACT RATING: None**

**LABELING:** Each box shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA consists of this page 1 and evidence page E-1, as well as approval document mentioned above. The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



*[Signature]*  
 4/14/09

**NOA No. 08-0320.06**  
**Expiration Date: May 06, 2014**  
**Approval Date: May 06, 2009**  
 Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Drawing No. **PFC002**, titled "Tapping Concrete Anchor, Notes & Anchor Details", Sheet 1 of 1, dated 09/26/08, with revision A dated 03/18/09, prepared by Porteous Fasteners Co., signed and sealed by Kristina S. Daugherty, P.E.

**B. TESTS**

1. Test report on Tension and Shear Resistance per ASTM E 488 of 3/16" and 1/4" Diameter Carbon Steel Tapping, prepared by C.E.L Consulting, Report No. **7P155**, dated 09/21/07, signed and sealed by Lee W. Mattis, P.E.
2. Corrosion Resistance Test per ASTM G 85 as noted in TAS 114(E), prepared by Applied Research Laboratories, Report No. **30505**, dated 12/18/03, signed and sealed by Christopher A. Hamon, P.E.

**C. CALCULATIONS**

1. None.

**D. QUALITY ASSURANCE**

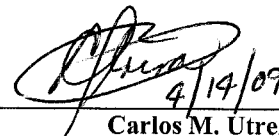
1. Miami Dade Building Code Compliance Office (BCCO).

**E. MATERIAL CERTIFICATIONS**

1. None.

**F. STATEMENTS**

1. Change of engineer letter, dated 03/30/09, issued, signed and sealed by Kristina S. Daugherty, P.E.
2. No financial interest letter, dated 03/30/09, issued, signed and sealed by Kristina S. Daugherty, P.E.
3. Distributor agreement between Charng Yuh (Gau) Co.,Ltd, and Porteous Fastener Company, signed by Tsung-Ming Kao and Bob Porteous respectively.



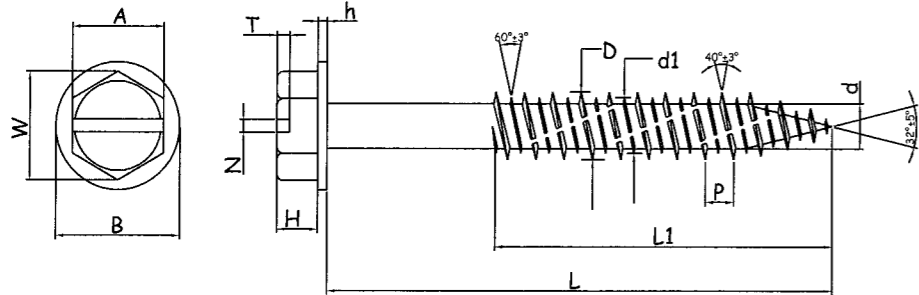
4/14/09

Carlos M. Utrera, P.E.  
Product Control Examiner  
NOA No. 08-0320.06

Expiration Date: May 06, 2014  
Approval Date: May 06, 2009

# PORTEOUS FASTENER CO.

## TAPKING CONCRETE ANCHOR



SLOTTED HEX WASHER HEAD CONCRETE ANCHOR

SIZE	H	A	W	B	h	N	T
3/16"	0.0964"	0.2440"	0.2716"	0.3228"	0.0196"	0.0448"	0.0519"
	0.1102"	0.25"	MIN	0.3464"	0.307"	0.0539"	0.0740"
1/4"	0.1389"	0.3055"	0.3385"	0.3976"	0.0220"	0.0559"	0.0771"
	0.1547"	0.3149"	MIN	0.4330"	0.0389"	0.0669"	0.1023"

3/16" DIAMETER CARBON STEEL TAPKING ALLOWABLE LOADS (lbs)		
MIN 3000 P.S.I CONCRETE		
EMBEDMENT	2 1/2" EDGE DISTANCE	
	TENSION	SHEAR
1"	153	257
1 1/2"	320	267

GENERAL NOTES:

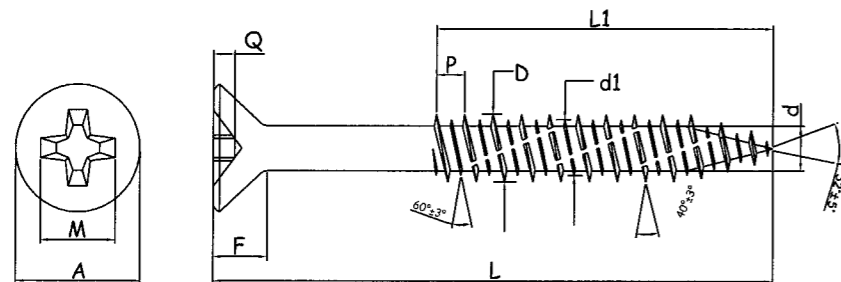
- THIS APPROVAL DOCUMENTS REPRESENT PORTEOUS FASTENER CO CONCRETE ANCHOR ANALYZED WITH THE PROVISION SET FOR THE ISSUANCE OF A NOTICE OF ACCEPTANCE (NOA) BY MIAMI-DADE COUNTY PRODUCT CONTROL DIVISION FOR HIGH VELOCITY HURRICANE ZONE (HVHZ) OF FLORIDA BUILDING CODE 2007.
- CONCRETE WILL CONFORM TO AMERICAN CONCRETE INSTITUTE MANUAL OF CONCRETE PRACTICE ACI 301.
- REFERENCE CEL CONSULTING TEST REPORTS: REPORT NO. 7P155 DATED 09/21/07
- NO ALLOWABLE STRESS INCREASE HAS BEEN USED IN PREPARATION OF THIS DOCUMENT.
- THESE PRODUCT DOCUMENTS ARE GENERIC AND DO NOT INCLUDE INFORMATION FOR SITE-SPECIFIC APPLICATION.
- USE OF THESE APPROVAL DOCUMENTS SHALL COMPLY WITH CHAPTER 61G15-23 OF THE FLORIDA ADMINISTRATIVE CODE.
- ANY MODIFICATION OR ADDITION TO THESE APPROVAL DOCUMENTS ARE NOT PERMITTED
- LOCATION OF MANUFACTURING: CHARNG YUH (GAU) CO. LTD.  
NO.19, LANE 40, TUO ZIH SOUTH ST.,  
GANGSHAN TOWNSHIP,  
KAOHSIUNG COUNTY  
TAIWAN (R.O.C.)

3/16" DIA. TAPKING

- FOR 3/16" TAPKING, PILOT HOLE DIA. SHALL BE 0.171" AND DRILLED 1/4" LONGER THAN NECESSARY EMBEDMENT.
- ALLOWABLE LOADS ARE BASED ON ULTIMATE TEST LOAD DIVIDED BY 4.
- RECOMMENDED CENTER TO CENTER DISTANCE OF 3" IS REQUIRED FOR 100% EFFICIENCY AND 1 1/2" FOR 50% EFFICIENCY

1/4" DIA. TAPKING

- FOR ALL 1/4" TAPKING, PILOT HOLE DIA. SHALL BE 0.200" AND DRILLED 1/4" LONGER THAN NECESSARY EMBEDMENT.
- ALLOWABLE LOADS ARE BASED ON ULTIMATE TEST LOAD DIVIDED BY 4.
- RECOMMENDED CENTER TO CENTER DISTANCE OF 4" IS REQUIRED FOR 100% EFFICIENCY AND 2" FOR 50% EFFICIENCY



PHILIPS FLAT HEAD CONCRETE ANCHOR

SIZE	A	F	Q	P	d	M	D	d1	WIRE DIA
3/16"	0.3464"	0.1377"	0.1019"	0.1299"	0.1299"	0.2165"	0.1988"	0.1625"	0.1496"
	0.3740"	REF	0.1240"	±10%	0.1437"	0.2244"	0.2106"	REF	-0.0007"
1/4"	0.4566"	0.1771"	0.1311"	0.1456"	0.1712"	0.2755"	0.2440"	0.2007"	0.1889"
	0.4921"	REF	0.1555"	±10%	0.1811"	0.2834"	0.2559"	REF	-0.0007"

1/4" DIAMETER CARBON STEEL TAPKING ALLOWABLE LOADS (lbs)		
MIN 3000 P.S.I CONCRETE		
EMBEDMENT	2 1/2" EDGE DISTANCE	
	TENSION	SHEAR
1"	123	211
1 1/2"	341	350

MATERIAL PROPERTIES
1. MATERIAL : C1022
2. SURFACE HARDNESS : MIN 450 HV
3. CORE HARDNESS : 240~450 HV
4. CASE DEPTH : 0.10~0.23mm

LENGTH TOLERANCE
L=±1.5 mm
L≤1-3/4 L1= F/T
L>2" L1= 2/3T±2.0 mm
L≥3-1/4 L1=55±2.0 mm

TITLE:  
TAPKING CONCRETE ANCHOR  
NOTES & ANCHOR DETAILS

PREPARED FOR:  
PORTEOUS FASTENERS CO.  
1040 WATSON CENTER RD  
CARSON, CA 90745  
PH: 310.549.9180 FX: 310.835.0415

REVISIONS

NO.	DESCRIPTION	BY	DATE
A	ADDED LOCATION OF MANUF.	JLR	03.18.09

*Handwritten signature*  
3-18-09  
KARSTEN S. DALCHERTY  
FLORIDA P.E. NO. 19465  
1117 DOWNTOWN STREET  
DAWECO, FL 32755

Approved as complying with the  
Florida Building Code  
Date 05/06/2009  
NOA# 08-0320.06  
Miami Dade Product Control  
Division

DATE: 09.26.08  
DWN BY: GRN  
CHK BY: HN  
SCALE: NTS  
DWG #: PFC002  
SHEET: 1 OF 1