



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/building

HKN International, LLC dba Aerosmith Fastening Systems
5621 Dividend Road
Indianapolis, IN 46241

SCOPE: This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section 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 Section (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. RER reserves the right to revoke this acceptance if it is determined by Miami-Dade County Product Control Section 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: Aerosmith® Sure-Con® Concrete Screws for Concrete and Masonry

APPROVAL DOCUMENT: Drawing No. **SCON-MD-21-0830_01**, titled "Aerosmith® Sure-Con® Concrete Screws for Concrete and Masonry", sheets 1 and 2 of 2, dated 09/29/21, prepared by manufacturer, signed and sealed by Alejandro Contreras, 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 Section.

MISSILE IMPACT RATING: None

LABELING: Each box/container of the smallest quantity shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved or MDCPCA", 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.

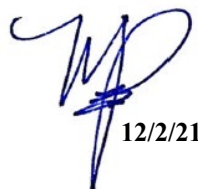
TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this 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 pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**




12/2/21

NOA No. 21-0830.01
Expiration Date: July 22, 2026
Approval Date: December 09, 2021
Page 1

HKN International, LLC dba Aerosmith Fastening Systems

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's

A. DRAWINGS

1. Drawing No. **TAP-MD-21-0304_01**, titled "TAP Universal Screw Anchors for Concrete and Masonry", sheets 1 and 2 of 2, prepared by manufacturer, dated on 07/28/21, signed and sealed by Alejandro Contreras, P.E.
(Submitted under NOA No. 21-0304.01)

B. TESTS

1. Test report supplement on Tensile Strength of 3/16" and 1/4" Diameter TAP Universal Screw Anchors per AISI S903, prepared by Applied Testing & Geosciences, LLC, Test Report No. **12432**, dated 06/07/21, signed and sealed by Craig Joss, PhD, P.E.
(Submitted under NOA No. 21-0304.01)
2. Test report on Tension and Shear allowable capacities of 3/16" and 1/4" Diameter TAP Universal Screw Anchors per AC193, AC106, ASTM A370 and ASTM E 488, prepared by Applied Testing & Geosciences, LLC, Test Report No. **12432**, dated 01/21/21, signed and sealed by Craig Joss, PhD, P.E.
(Submitted under NOA No. 21-0304.01)
3. Test report on Corrosion Resistance of SealProT and SealProACQ Screw Anchors per ASTM G 85, Annex 5 and TAS 114-95, Appendix E, prepared by Element Materials Technology, Test Report No. **ESP032962P.1R2**, dated 05/27/21, signed by Jason R. Steen, P.E.
(Submitted under NOA No. 21-0304.01)

C. CALCULATIONS

1. Screw anchors tensile strength calculations issued by Construction Anchors Co.,Ltd., dated 05/22/21, signed and sealed by Alejandro Contreras, P.E.
(Submitted under NOA No. 21-0304.01)
2. Anchors allowable capacities calculations issued by Alejandro Contreras, P.E., dated 02/24/21, signed and sealed by Alejandro Contreras, P.E.
(Submitted under NOA No. 21-0304.01)

D. QUALITY ASSURANCE


1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 7th Edition (2020)**, dated May 24, 2021, issued, signed and sealed by Alejandro Contreras, P.E.
(Submitted under NOA No. 21-0304.01)


Manuel Perez, P.E.
Product Control Examiner
NOA No. 21-0830.01
Expiration Date: July 22, 2026
Approval Date: December 09, 2021

HKN International, LLC dba Aerosmith Fastening Systems

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's (CONTINUED)

F. STATEMENTS (CONTINUED)

2. Statement letter of no financial interest, dated December 20, 2020, issued by Alejandro Contreras, P.E.
(Submitted under NOA No. 21-0304.01)
3. Distributor agreement dated 11/27/19.
(Submitted under NOA No. 21-0304.01)

G. OTHERS

1. None.

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **SCON-MD-21-0830_01**, titled "Aerosmith® Sure-Con® Concrete Screws for Concrete and Masonry", sheets 1 and 2 of 2, prepared by manufacturer, dated on 09/29/21, signed and sealed by Alejandro Contreras, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

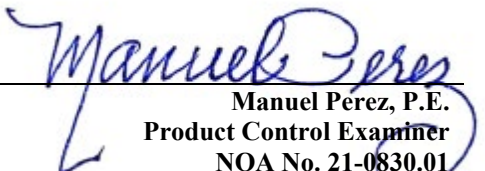
1. None.

F. STATEMENTS

1. Certificate of Independence, statement letter of conformance, complying with **FBC 7th Edition (2020)** and of no financial interest, dated November 30, 2021, issued, signed and sealed by Alejandro Contreras, P.E.
2. Distributor agreement dated July 24, 2021.

G. OTHERS

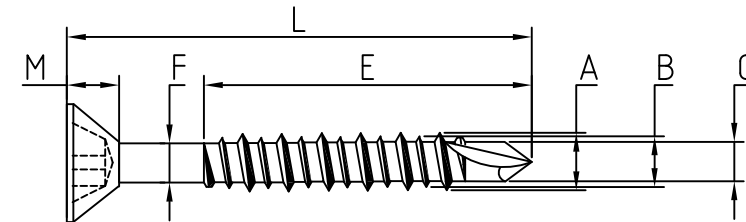
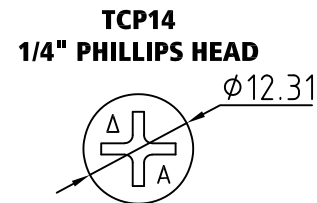
1. Notice of Acceptance No. **21-0304.01**, issued to Construction Anchors Co., Ltd. for their TAP Screw Anchor for Concrete and Masonry, approved on 08/05/21 and expiring on 07/22/26.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 21-0830.01
Expiration Date: July 22, 2026
Approval Date: December 09, 2021

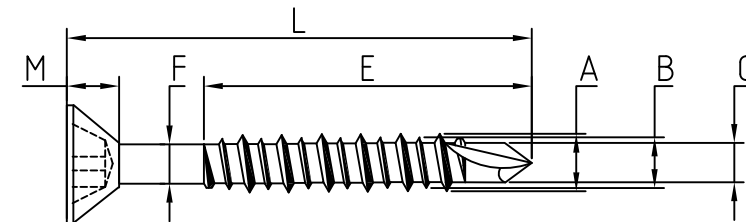
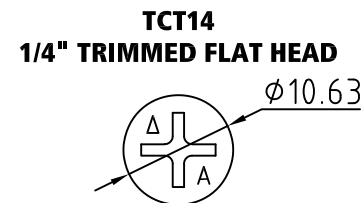
HKN International, LLC dba Aerosmith® Fastening Systems

Aerosmith® Sure-Con® Concrete Screws for CONCRETE and MASONRY with SealProT or SealProACQ Coating

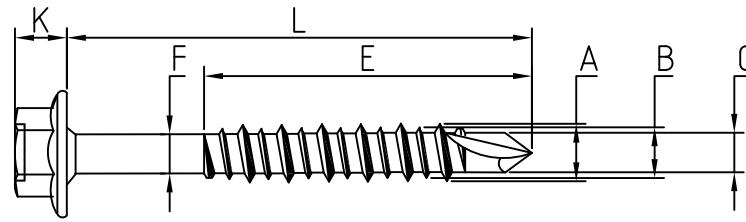
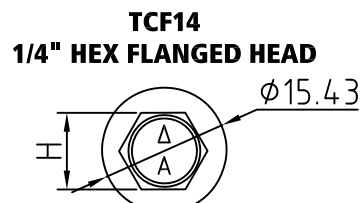
ITEM NO.	L	E	MARK
TCP141340	1 3/4	1 1/2	A
TCP142140	2 1/4	1 7/8	B
TCP142340	2 3/4	2 1/4	C
TCP143140	3 1/4	2 1/4	D
TCP143340	3 3/4	2 1/4	E
TCP144000	4	2 1/4	F
TCP145000	5	2 1/4	H
TCP146000	6	2 1/4	J



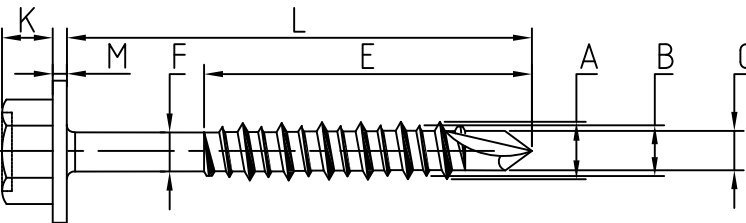
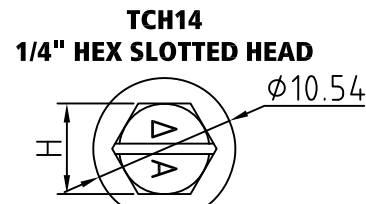
TCT141340	1 3/4	1 1/2	A
TCT142140	2 1/4	1 7/8	B
TCT142340	2 3/4	2 1/4	C
TCT143140	3 1/4	2 1/4	D
TCT143340	3 3/4	2 1/4	E
TCT144000	4	2 1/4	F
TCT145000	5	2 1/4	H
TCT146000	6	2 1/4	J



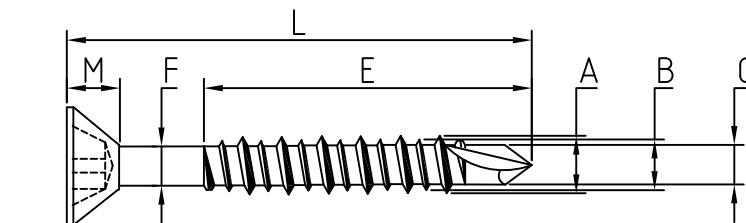
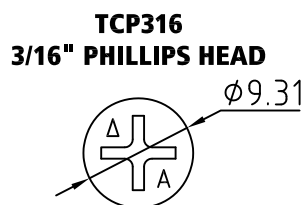
TCF141340	1 3/4	1 5/8	A
TCF142140	2 1/4	1 7/8	B
TCF142340	2 3/4	2 1/4	C
TCF143140	3 1/4	2 1/4	D
TCF143340	3 3/4	2 1/4	E
TCF144000	4	2 1/4	F
TCF145000	5	2 1/4	H
TCF146000	6	2 1/4	J



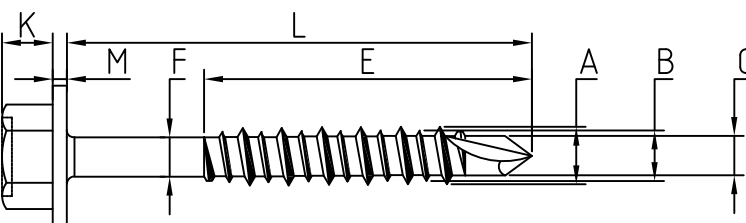
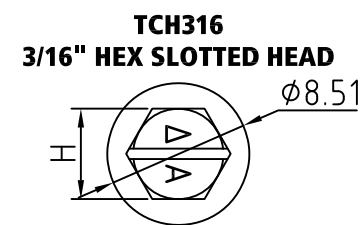
TCH141340	1 3/4	1 5/8	A
TCH142140	2 1/4	1 7/8	B
TCH142340	2 3/4	2 1/4	C
TCH143140	3 1/4	2 1/4	D
TCH143340	3 3/4	2 1/4	E
TCH144000	4	2 1/4	F
TCH145000	5	2 1/4	H
TCH146000	6	2 1/4	J



ITEM NO.	L	E	MARK
TCP316134	1 3/4	1 1/2	A
TCP316214	2 1/4	1 7/8	B
TCP316234	2 3/4	2 1/4	C
TCP316314	3 1/4	2 1/4	D
TCP316334	3 3/4	2 1/4	E
TCP316400	4	2 1/4	F



TCH316134	1 3/4	1 5/8	A
TCH316214	2 1/4	1 7/8	B
TCH316234	2 3/4	2 1/4	C
TCH316314	3 1/4	2 1/4	D
TCH316334	3 3/4	2 1/4	E
TCH316400	4	2 1/4	F

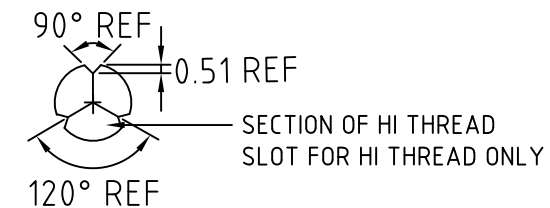


COMPLIANCE SUMMARY

CODE: 2020 FBC COMPLIANT
HVHZ: HVHZ COMPLIANT
CORROSION RESISTANT: ASTM G 85, ANNEX 5,
140 CYCLES
(TAS 114, APPENDIX E)
MATERIALS: SAE 1022 OR EQUIVALENT
SCREW STRENGTH: 3/16 fut 145,000 psi
fy 116,000 psi
1/4 fut 165,000 psi
fy 132,000 psi

COATING: SealProT/SealProACQ
COLOR: BLUE, WHITE, BRONZE
OR SILVER
MFG ID: Δ (DELTA)

SLOTTED HI THREAD



DIMENSIONS - TAP						
mm	TCP14	TCT14	TCF14	TCH14	TCP 316	TCH 316
A	6.35	6.35	6.35	6.35	5.34	5.34
B	4.96	4.96	4.96	4.96	4.08	4.08
C	4.32	4.32	4.32	4.32	3.20	3.20
F	4.74	4.74	4.74	4.74	3.71	3.71
M	5.74 MAX	4.80 MAX	/	0.86	4.67 MAX	0.72
H	/	/	7.84	7.81	/	6.25
K	/	/	5.97	3.81	/	2.62

HKN International, LLC dba
aerosmith®
fastening systems

5621 Dividend Road
Indianapolis, Indiana 46241

Aerosmith®
Sure-Con®
Concrete Screws
for Concrete and Masonry

REVISIONS

REV	DATE	BY
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PRODUCT APPROVED
as complying with the Florida
Building Code

NOA-No. **21-0830.01**

Approval Date: **12/09/2021**

By: *Manuel Perez*
Miami-Dade Product Control



THIRD ANGLE
PROJECTION

PREPARED BY
SIMON LAW

SCALE
-

SHEET
1/2

REV
0

DATE
SEP 29 2021

DWG NO
SCON-MD-21-0830_01

HKN International, LLC dba Aerosmith® Fastening Systems

Aerosmith® Sure-Con® Concrete Screws
for CONCRETE and MASONRY
with SealProT or SealProACQ Coating

CONCRETE (f'c = 3,270 psi) SUBSTRATE					
ALLOWABLE CAPACITIES PER ANCHOR					
ANCHOR DIAMETER	MINIMUM EMBEDMENT	MINIMUM SPACING	MINIMUM EDGE DISTANCE	TENSION	SHEAR
	INS.	INS.	INS.	LBS.	LBS.
3/16	1 3/4	1	1 1/4	396	159
	2	1	1 1/4	448	
1/4	1 3/4	1 1/4	1 1/4	534	348
	2	1 1/4	1 1/4	701	

MASONRY SUBSTRATE - GROUT FILLED (1,500 psi)							
ALLOWABLE CAPACITIES PER ANCHOR							
ANCHOR DIAMETER	LOCATION	MINIMUM EMBEDMENT	MINIMUM SPACING	MINIMUM EDGE DISTANCE	MINIMUM END DISTANCE	TENSION	SHEAR
		INS.	INS.	INS.	INS.	LBS.	LBS.
3/16	TOP GROUT	1 1/2	3	3	3	180	136
		1 1/2	3	1 1/2	3	156	116
	FACE SHELL	1 1/2	3	3	3	104	127
	FACE WEB	1 1/2	3	3	3	123	133
1/4	TOP GROUT	1 1/2	4	4	4	280	228
		1 1/2	4	1 1/2	4	218	235
	FACE SHELL	1 1/2	4	4	4	164	320
	FACE WEB	1 1/2	4	4	4	187	273

NOTES

1. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATION;
2. ANCHOR EMBEDMENT AND EDGE DISTANCE EXCLUDES STUCCO, FOAM, BRICK AND OTHER WALL FINISHES;
3. ALLOWABLE DESIGN LOAD CAPACITIES ARE BASED ON ULTIMATE LOAD DIVIDED BY SAFETY FACTOR AS FOLLOWS:
4. CONCRETE: 4
MASONRY: 5
5. SUBSTRATES SHALL CONFORM TO:
CONCRETE: ACI 318
MASONRY: ASTM C-90
6. ANCHORS SHALL NOT BE INSTALLED INTO CRACKED CONCRETE AS DEFINED IN ACI 355.2
7. THIS PRODUCT EVALUATION DOCUMENT IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. FOR SITE CONDITIONS DIFFERENT FROM THE CONDITIONS DETAILED HEREIN, A LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE-SPECIFIC DOCUMENTS FOR USE IN CONJUNCTION WITH THE APPROVAL AND APPLY FOR MIAMI-DADE COUNTY PRODUCT CONTROL ONE-TIME NOTICE OF ACCEPTANCE.
8. PILOT HOLE:

SIZE

3/16"

1/4"

BIT SIZE

5/32" TYP

3/16" TYP

HOLE DEPTH

EMBEDMENT+1/4"

EMBEDMENT+1/4"



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fastening systems

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Aerosmith®
Sure-Con®
Concrete Screws
for Concrete and Masonry

REVISIONS

REV	DATE	BY
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PRODUCT APPROVED
as complying with the Florida
Building Code
NOA-No. **21-0830.01**
Approval Date: **12/09/2021**
By: *Manuel Perez*
Miami-Dade Product Control

THIRD ANGLE PROJECTION 	PREPARED BY SIMON LAW
	SCALE -
	SHEET 2/2
REV 0	DATE SEP 29 2021
DWG NO	SCON-MD-21-0830_01