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

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

NOTICE OF ACCEPTANCE (NOA)

Simpson Strong-Tie Company, Inc.
2151 South Airport Drive
McKinney, TX 75069

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: 3/16" & 1/4" Titen™ Turbo (TNT) Carbon Steel and Stainless-Steel Concrete and Masonry Screw Anchors

APPROVAL DOCUMENT: Drawing No. **TNTMD2025**, titled "Titen™ Turbo and Type 316 Stainless-Steel Titen™ Turbo Concrete and Masonry Screw Anchor", sheet 6 of 6, prepared by Simpson Strong-Tie Company, Inc., dated 12/01/2025, signed and sealed by Keith E. Cullum, P.E. bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: None

LABELING: Each box shall bear a permanent label with the manufacturer's name or logo, Kaohsiung, Taiwan 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 **revises NOA # 25-0221.04** and consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.
The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**

MIAMI-DADE COUNTY APPROVED

12/03/25

NOA No. 25-1002.03
Expiration Date: August 8, 2029
Approval Date: December 4, 2025

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted under previous NOA # 24-0111.01

A. DRAWINGS

1. Drawing No. **TNTMD2024**, titled "Titen™ Turbo Concrete and Masonry Screw Anchors", sheet 3 of 3, prepared by Simpson Strong-Tie Company, Inc., dated 07/11/2024, signed and sealed by Keith E. Cullum, P.E.

B. TESTS

	Test Report No.	Testing Standard	Date	Signature
1.	**ESP029459P.1R0**	ACI 355.2, AC193, ASTM E488	12/18/23	Jason R. Steen, P.E.
2.	**ESP035980P.1R0**	ACI 355.2, AC193, ASTM E488	10/07/21	Jason R. Steen, P.E.
3.	**ESP029460P.1R0**	AC 106, ASTM E488	01/02/24	Jason R. Steen, P.E.
4.	**HETI-23-S855**	ASTM G85-11	11/15/23	Ram N. Tewari, P.E.
5.	**HETI-23-S856**	ASTM G85-11	11/15/23	Ram N. Tewari, P.E.
6.	**HETI-23-S857**	ASTM G85-11	11/15/23	Ram N. Tewari, P.E.
7.	**HETI-23-S858**	ASTM G85-11	11/15/23	Ram N. Tewari, P.E.
8.	**HETI-23-S859**	ASTM G85-11	11/16/23	Ram N. Tewari, P.E.
9.	**HETI-23-S860**	ASTM G85-11	11/16/23	Ram N. Tewari, P.E.
10.	**HETI-23-S861**	ASTM G85-11	11/16/23	Ram N. Tewari, P.E.
11.	**HETI-23-S864**	ASTM G85-11	11/17/23	Ram N. Tewari, P.E.

C. CALCULATIONS

1. Sample calculation, prepared by Simpson Strong-Tie Company, Inc., dated 07/11/2024, signed and sealed by Keith E. Cullum, P.E.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of code conformance with the 8th edition (2023) of the FBC and of no financial interest, issued by Simpson Strong-Tie Company, Inc., dated 07/11/2024, signed and sealed by Keith E. Cullum, P.E.
2. Distributor agreement for the Carbon Steel Screw Anchors, between Simpson-Strong Tie Company, Inc. and Sheh Fung Screws Co. Ltd., dated 12/15/2023.

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 25-1002.03
Expiration Date: August 8, 2029
Approval Date: December 4, 2025

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. Evidence submitted under NOA # 25-0221.04

A. DRAWINGS

1. Drawing No. **TNTMD2025**, titled "Titen™ Turbo Concrete and Masonry Screw Anchors", sheet 3 of 3, prepared by Simpson Strong-Tie Company, Inc., dated 01/21/2025, signed and sealed by Keith E. Cullum, P.E.

B. TESTS

	Test Report No.	Testing Standard	Date	Signature
1.	**HETI-25-S201**	ASTM G85-11	01/16/25	Ram N. Tewari, P.E.
2.	**HETI-25-S200**	ASTM G85-11	01/16/25	Ram N. Tewari, P.E.
3.	**HETI-25-S202**	ASTM G85-11	01/16/25	Ram N. Tewari, P.E.
4.	**HETI-25-S203**	ASTM G85-11	01/16/25	Ram N. Tewari, P.E.

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. Statement letter of code conformance with the 8th edition (2023) of the FBC and of no financial interest, issued by Simpson Strong-Tie Company, Inc., dated 02/18/2025, signed and sealed by Keith E. Cullum, P.E.

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 25-1002.03
Expiration Date: August 8, 2029
Approval Date: December 4, 2025

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

3. New evidence submitted

A. DRAWINGS

1. Drawing No. **TNTMD2025**, titled "Titen™ Turbo and Type 316 Stainless-Steel Titen™ Turbo Concrete and Masonry Screw Anchor", sheet 6 of 6, prepared by Simpson Strong-Tie Company, Inc., dated 12/01/2025, signed and sealed by Keith E. Cullum, P.E.

B. TESTS

	Test Report No.	Testing Standard	Date	Signature
1.	**HETI-25-A330**	ASTM E488-22	07/30/25	Ram N. Tewari, Ph. D., P.E.
2.	**HETI-25-C329**	ASTM C39-21	07/30/25	Ram N. Tewari, Ph. D., P.E.
3.	**HETI-25-C307**	ASTM C109M-20	08/06/25	Ram N. Tewari, Ph. D., P.E.
4.	**HETI-25-T271**	ASTM F606-21	07/30/25	Ram N. Tewari, Ph. D., P.E.
5.	**HETI-25-T273**	ASTM F606-21	07/30/25	Ram N. Tewari, Ph. D., P.E.
6.	**HETI-25-S264**	ASTM G85-19	07/30/25	Ram N. Tewari, Ph. D., P.E.
7.	**HETI-25-S265**	ASTM G85-19	02/25/25	Ram N. Tewari, Ph. D., P.E.

C. CALCULATIONS

1. Evaluation of tension and shear test data, prepared by Simpson Strong-Tie Company, Inc., dated 09/18/2025, signed and sealed by Keith E. Cullum, P.E.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

2. None.

F. STATEMENTS

1. Statement letter of code conformance with the 8th edition (2023) of the FBC and of no financial interest, issued by Simpson Strong-Tie Company, Inc., dated 09/18/2025, signed and sealed by Keith E. Cullum, P.E.

2. Distributor agreement for the 316 Stainless Steel Screw Anchors, between Simpson-Strong Tie Company, Inc. and Yong Sheng Metal Corp., dated 09/02/2025.

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 25-1002.03
Expiration Date: August 8, 2029
Approval Date: December 4, 2025

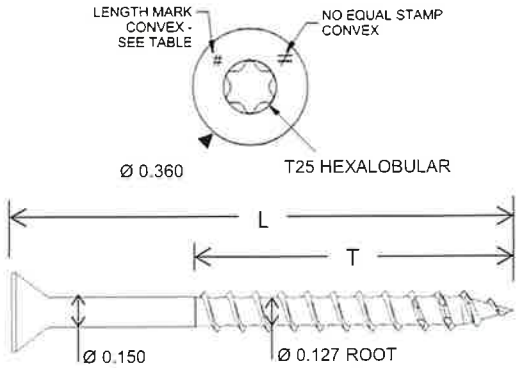
Simpson Strong-Tie®

Titen Turbo™ Concrete and Masonry Screw Anchor

Description

Carbon steel screw anchors have a minimum yield strength of 100 ksi and a minimum tensile strength of 125 ksi. The screw anchors have zinc plating with a baked ceramic coating. 3/16 in. and 1/4 in. carbon steel screw anchors are available in both flat head and hex head, and the 1/4 in. is also available in a trim head style. The length of the screw anchors range from 1-1/4 in. to 6 in.

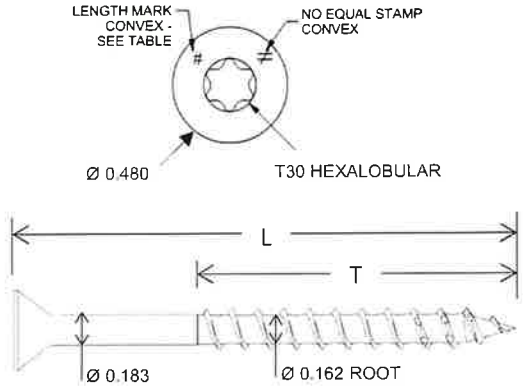
3/16" Titen Turbo (Carbon Steel) – Flat Head:



Model	L (in.)	T (in.)	Length Mark
TNT18114TF	1.250	0.938	None
TNT18134TF	1.750	1.438	A
TNT18214TF	2.250	1.750	B
TNT18234TF	2.750	1.750	C
TNT18314TF	3.250	1.750	D
TNT18334TF	3.750	1.750	E

Model numbers shown are for the standard Blue color. Models in White begin with "TNTW". Models in Black begin with "TNTBL". Models in Silver begin with "TNTS".

1/4" Titen Turbo (Carbon Steel) – Flat Head:



Model	L (in.)	T (in.)	Length Mark
TNT25114TF	1.250	0.938	None
TNT25134TF	1.750	1.438	A
TNT25214TF	2.250	1.750	B
TNT25234TF	2.750	1.750	C
TNT25314TF	3.250	1.750	D
TNT25334TF	3.750	1.750	E
TNT25400TF	4.000	1.750	F
TNT25500TF	5.000	1.750	H
TNT25600TF	6.000	1.750	J

Model numbers shown are for the standard Blue color. Models in White begin with "TNTW". Models in Black begin with "TNTBL". Models in Silver begin with "TNTS".

Report Holder:

Simpson Strong-Tie
5956 W. Las Positas Blvd.
Pleasanton, CA 94588
(800) 999-5099
strongtie.com

Drawing: TNTMD2025
Date: 12/1/2025

For Miami-Dade County:

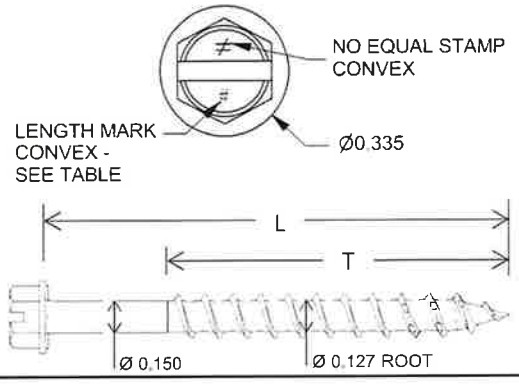
PRODUCT REVISED
as complying with the Florida Building Code
NOA–No. 25–1002.03
Expiration Date 08/08/2029
By _____
Miami–Dade Product Control

KEITH E. CULLUM LICENSE No. 97890 STATE OF FLORIDA PROFESSIONAL ENGINEER
CoA 30003
12/1/25

Simpson Strong-Tie®

Titen Turbo™ Concrete and Masonry Screw Anchor

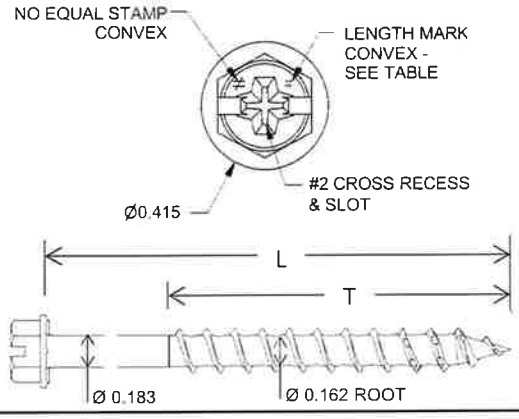
3/16" Titen Turbo (Carbon Steel) – Hex Head:



Model	L (in.)	T (in.)	Length Mark
TNT18114H	1.250	1.125	None
TNT18134H	1.750	1.625	A
TNT18214H	2.250	1.750	B
TNT18234H	2.750	1.750	C
TNT18314H	3.250	1.750	D
TNT18334H	3.750	1.750	E

Model numbers shown are for the standard Blue color. Models in Black begin with "TNTBL".

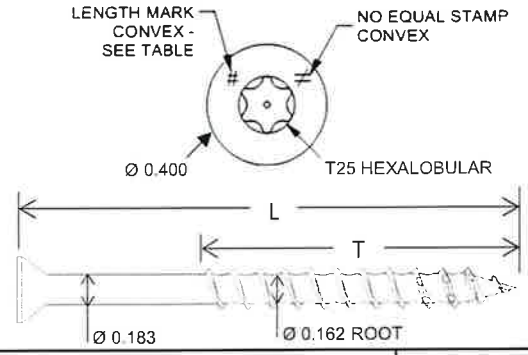
1/4" Titen Turbo (Carbon Steel) – Hex Head:



Model	L (in.)	T (in.)	Length Mark
TNT25114H	1.250	1.125	None
TNT25134H	1.750	1.625	A
TNT25214H	2.250	1.750	B
TNT25234H	2.750	1.750	C
TNT25314H	3.250	1.750	D
TNT25334H	3.750	1.750	E
TNT25400H	4.000	1.750	F
TNT25500H	5.000	1.750	H
TNT25600H	6.000	1.750	J

Model numbers shown are for the standard Blue color. Models in Black begin with "TNTBL".

1/4" Titen Turbo (Carbon Steel) – Trim Head:



Model	L (in.)	T (in.)	Length Mark
TNT25234TTR	2.750	1.750	C
TNT25314TTR	3.250	1.750	D

Model numbers shown are for the standard Blue color. Models in White begin with "TNTW". Models in Bronze begin with "TNTB".

Report Holder:

Simpson Strong-Tie
5956 W. Las Positas Blvd.
Pleasanton, CA 94588
(800) 999-5099
strongtie.com

Drawing: TNTMD2025
Date: 12/1/2025

For Miami-Dade County:

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 25-1002.03
Expiration Date 08/08/2029
By
Miami-Dade Product Control

KEITH E. CULLUM LICENSE No. 97890 STATE OF FLORIDA PROFESSIONAL ENGINEER
CoA 30003
12/1/25

Simpson Strong-Tie®

Titen Turbo™ Concrete and Masonry Screw Anchor

Installation Instructions

1. Drill a hole in the un-cracked base material using the appropriate diameter carbide drill bit as specified in the table. Drill the hole to the specified embedment depth plus 1/2" to allow the thread tapping dust to settle. While not required, dust may be cleaned from a drilled hole using compressed air prior to screw installation for best results.
2. Position fixture, insert screw and tighten using drill and Titen Turbo screw installation tool fitted with a hex socket or 6-lobe bit socket.

Titen Turbo (Carbon Steel) Allowable Loads in Normal-Weight Concrete (f'_c=2,500 psi)

Anchor Diameter (in.)	Drill Bit Diameter (in.)	Embedment Depth (in.)	Critical Edge Distance, c_{ac} (in.)	Minimum Edge Distance, c_{min} (in.)	Minimum Spacing (in.)	Wind Allowable Loads (lb.)	
						Tension	Shear
3/16	5/32	1-3/4	3	1-3/4	1	385	170
				3		590	170
1/4	3/16	1-3/4	3	1-3/4	2	360	250
				3		590	260

1. Wind allowable loads are calculated based on the strength design provision of ACI 318-19 Chapter 17 using a conversion factor of α = 1/0.6 = 1.67. The conversion factor α is based on the load combination assuming 100% wind load.
2. Tabulated values are calculated with c_{min} on one side and c_{ac} on three sides.
3. Tabulated values are for a single anchor with no influence of another anchor.

Titen Turbo (Carbon Steel) Allowable Loads in Hollow & Grout-Filled CMU

Anchor Diameter (in.)	Drill Bit Diameter (in.)	Embedment Depth (in.)	Minimum Edge Distance (in.)	End Distance (in.)	Minimum Spacing (in.)	Allowable Loads (f'_m=1,500 psi) (lb.)			
						Hollow CMU		GFCMU	
						Tension	Shear	Tension	Shear
3/16	5/32	1-1/4	3-7/8	3-7/8	3	117	164	-	-
		2	3-7/8			-	-	267	218
		2	1-1/2			-	-	267	218
1/4	3/16	1-1/4	3-7/8	3-7/8	4	117	190	-	-
		2	3-7/8			-	-	393	342
		2	1-1/2			-	-	343	283

1. The allowable loads listed are based on a safety factory of 5.0 for CMU.
2. Allowable loads may not be increased for the duration of the load.
3. The attached member or element may govern the allowable load. The designer shall verify allowable load.
4. Refer to strongtie.com for additional information on the Titen Turbo.

Report Holder:

Simpson Strong-Tie
5956 W. Las Positas Blvd.
Pleasanton, CA 94588
(800) 999-5099
strongtie.com

Drawing: TNTMD2025
Date: 12/1/2025

For Miami-Dade County:

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NOA-No. 25-1002.03
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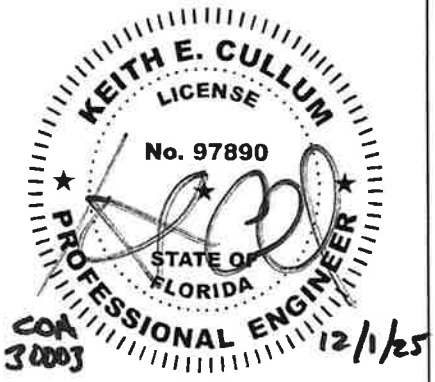
By
Miami-Dade Product Control



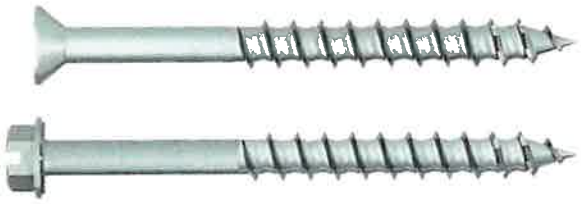
Simpson Strong-Tie®

Type 316 Stainless-Steel Titen Turbo™

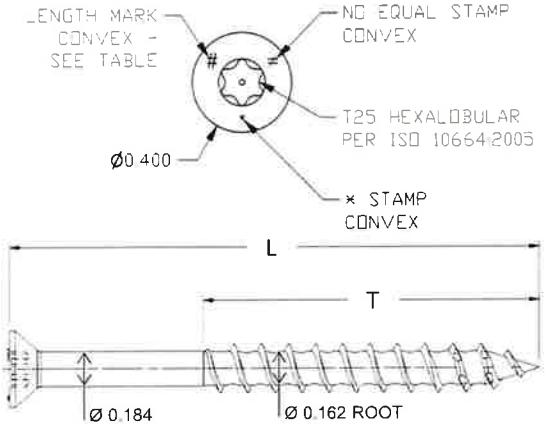
Concrete and Masonry Screw Anchor

Description

Type 316 Stainless-Steel Titen Turbo screw anchors are available in 1/4 in. diameter in both trim head and hex head styles. The length of the screw anchors range from 1-1/4 in. to 4 in.

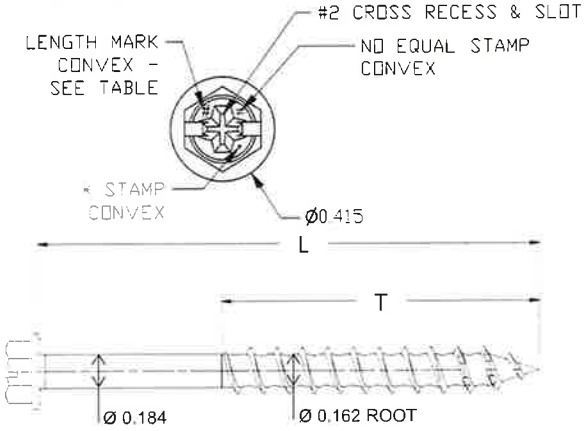


1/4" Titen Turbo (316 Stainless-Steel) – Trim Head:



Model	L (in.)	T (in.)	Length Mark
TNTSS625114TTR	1.250	0.938	None
TNTSS625134TTR	1.750	1.438	A
TNTSS625214TTR	2.250	1.750	B
TNTSS625234TTR	2.750	1.750	C
TNTSS625314TTR	3.250	1.750	D
TNTSS625334TTR	3.750	1.750	E
TNTSS625400TTR	4.000	1.750	F

1/4" Titen Turbo (316 Stainless-Steel) – Hex Head:



Model	L (in.)	T (in.)	Length Mark
TNTSS625114H	1.250	0.938	None
TNTSS625134H	1.750	1.438	A
TNTSS625214H	2.250	1.750	B
TNTSS625234H	2.750	1.750	C
TNTSS625314H	3.250	1.750	D
TNTSS625334H	3.750	1.750	E
TNTSS625400H	4.000	1.750	F

Report Holder:

Simpson Strong-Tie
5956 W. Las Positas Blvd.
Pleasanton, CA 94588
(800) 999-5099
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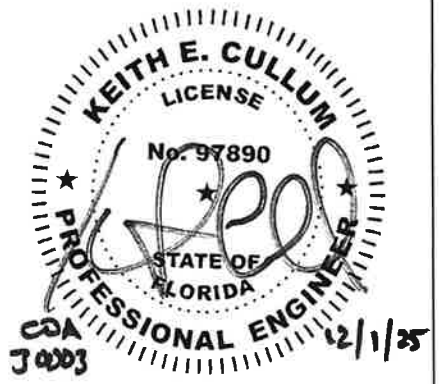

Simpson Strong-Tie®

Type 316 Stainless-Steel Titen Turbo™

Concrete and Masonry Screw Anchor

Installation Instructions

1. Drill a hole in the un-cracked base material using the appropriate diameter carbide drill bit as specified in the table. Drill the hole to the specified embedment depth plus 1/2" to allow the thread tapping dust to settle. While not required, dust may be cleaned from a drilled hole using compressed air prior to screw installation for best results.
2. Position fixture, insert screw and tighten using drill and Titen Turbo screw installation tool fitted with a hex socket or 6-lobe bit socket.

Titen Turbo (316 Stainless-Steel) Ultimate and Allowable Loads in Normal-Weight Concrete

Anchor Diameter (in.)	Drill Bit Diameter (in.)	Embedment Depth (in.)	Minimum Edge Distance (in.)	Minimum Spacing (in.)	Tension Loads (lb.)		Shear Loads (lb.)	
					Ultimate	Allowable	Ultimate	Allowable
1/4	3/16	1-1/8	1-1/4	3	575	144	668	167
			2-1/2	1-1/2	577	144	1070	268
		1-1/2	1-1/4	3	1,366	342	749	187
			2-1/2	1-1/2	1,114	279	1,607	402
		1-3/4	1-1/4	3	1,366	342	749	187
			2-1/2	1-1/2	1,904	476	1,607	402

1. The allowable loads listed are based on a factor of safety of 4.0 for concrete.
2. The minimum concrete thickness is 1.5 times the embedment depth.
3. Concrete shall have minimum compressive strength of 2,670 psi.

Titen Turbo (316 Stainless-Steel) Ultimate and Allowable Loads in Hollow CMU

Anchor Diameter (in.)	Drill Bit Diameter (in.)	Embedment Depth (in.)	Minimum Edge Distance (in.)	Minimum Spacing (in.)	Tension Loads (lb.)		Shear Loads (lb.)	
					Ultimate	Allowable	Ultimate	Allowable
1/4	3/16	1-1/4	2	3	924	185	1,130	226
			4	3	897	179	1,368	274

1. The allowable loads listed are based on a safety factory of 5.0 for CMU.
2. The tabulated values are for screw anchors installed in minimum 8" wide hollow concrete masonry unit.
3. Hollow concrete masonry unit shall conform to ASTM C90 with minimum compressive strength of 2,000 psi.

Report Holder:

Simpson Strong-Tie
5956 W. Las Positas Blvd.
Pleasanton, CA 94588
(800) 999-5099
strongtie.com

Drawing: TNTMD2025
Date: 12/1/2025

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KEITH E. CULLUM LICENSE No. 97890 STATE OF FLORIDA PROFESSIONAL ENGINEER
COA J0003
12/1/25

Simpson Strong-Tie®

Type 316 Stainless-Steel Titen Turbo™

Concrete and Masonry Screw Anchor

Titen Turbo (316 Stainless-Steel) Ultimate and Allowable Loads in Grout-Filled CMU

Anchor Diameter (in.)	Drill Bit Diameter (in.)	Embedment Depth (in.)	Minimum Edge Distance (in.)	Minimum Spacing (in.)	Tension Loads (lb.)		Shear Loads (lb.)	
					Ultimate	Allowable	Ultimate	Allowable
1/4	3/16	1-3/4	2	3	2,438	488	1,996	399
			4	1-1/2	2,465	493	1,865	373
		2	2	3	2,438	488	1,996	399
			4	1-1/2	2,465	493	2,060	412

1. The allowable loads listed are based on a safety factory of 5.0 for CMU.
2. The tabulated values are for screw anchors installed in minimum 8" wide grout-filled CMU.
3. Grout-filled concrete masonry unit shall conform to ASTM C90 with minimum compressive strength of 2,000 psi and minimum grout compressive strength of 1,620 psi.
4. Screw anchor must be installed in grouted cell. The minimum edge distance and spacing must be maintained.

Report Holder:

Simpson Strong-Tie
5956 W. Las Positas Blvd.
Pleasanton, CA 94588
(800) 999-5099
strongtie.com

Drawing: TNTMD2025
Date: 12/1/2025

For Miami-Dade County:

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 25-1002.03
Expiration Date 08/08/2029
By
Miami-Dade Product Control

KEITH E. CULLUM LICENSE No. 97890 STATE OF FLORIDA PROFESSIONAL ENGINEER
COA 30003
12/1/25