

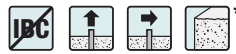
Titen® Stainless Steel Concrete and Masonry Screw

Stainless-Steel Titen® Product Data

Size (in.)	Head Style	Model No.	Drill Bit Dia. (in.)	Quantity	
				Box	Carton
1/4 x 1 1/4	Hex-Head	TTN25114HSS	3/16	100	1600
1/4 x 1 3/4		TTN25134HSS		100	500
1/4 x 2 1/4		TTN25214HSS		100	500
1/4 x 2 3/4		TTN25234HSS		100	500
1/4 x 3 1/4		TTN25314HSS		100	400
1/4 x 3 3/4		TTN25334HSS		100	400
1/4 x 4		TTN25400HSS		100	400
1/4 x 1 1/4	Phillips Flat-Head	TTN25114PFSS	3/16	100	1600
1/4 x 1 3/4		TTN25134PFSS		100	500
1/4 x 2 1/4		TTN25214PFSS		100	500
1/4 x 2 3/4		TTN25234PFSS		100	500
1/4 x 3 1/4		TTN25314PFSS		100	400
1/4 x 3 3/4		TTN25334PFSS		100	400
1/4 x 4		TTN25400PFSS		100	400

One drill bit is included in each box.

Stainless-Steel Titen® Allowable Tension and Shear Loads in Normal-Weight Concrete



Dia. in. (mm)	Drill Bit Dia. in.	Embed. Depth in. (mm)	Critical Spacing in. (mm)	Critical Edge Dist. in. (mm)	Tension Load				Shear Load	
					f' _c ≥ 2,000 psi (13.8 MPa) Concrete		f' _c ≥ 4,000 psi (27.6 MPa) Concrete		f' _c ≥ 2,000 psi (13.8 MPa) Concrete	
					Ultimate lb. (kN)	Allow. lb. (kN)	Ultimate lb. (kN)	Allow. lb. (kN)	Ultimate lb. (kN)	Allow. lb. (kN)
1/4 (6.4)	3/16	1 (25.4)	3 (76.2)	1 1/2 (38.1)	600 (2.7)	150 (0.7)	935 (4.2)	235 (1.0)	760 (3.4)	190 (0.8)
1/4 (6.4)	3/16	1 1/2 (38.1)	3 (76.2)	1 1/2 (38.1)	1,040 (4.6)	260 (1.2)	1,760 (7.8)	440 (2.0)	810 (3.6)	200 (0.9)

1. Maximum anchor embedment is 1 1/2" (38.1 mm).
2. Minimum concrete thickness is 1.5 x embedment.

Stainless-Steel Titen® Allowable Tension and Shear Loads in Face Shell of Hollow and Grout-Filled CMU



Dia. in. (mm)	Drill Bit Dia. in.	Embed. Depth in. (mm)	Critical Spacing in. (mm)	Critical Edge Dist. in. (mm)	Values for 6" or 8" Lightweight, Medium-Weight or Normal-Weight CMU			
					Tension Load		Shear Load	
					Ultimate lb. (kN)	Allow. lb. (kN)	Ultimate lb. (kN)	Allow. lb. (kN)
1/4 (6.4)	3/16	1 (25.4)	4 (101.6)	1 1/2 (38.1)	550 (2.4)	110 (0.5)	495 (2.2)	100 (0.4)

1. The tabulated allowable loads are based on a safety factor of 5.0.
2. Maximum anchor embedment is 1 1/2" (38.1 mm).

* See page 12 for an explanation of the load table icons.