AT1 All Thread Rod-Epoxy Kit 1"

AT1 includes
(4) 1"-18" All Thread Rod
F1554-GR55
Hot Dip Galvanized
Cold Galvanized/Painted Ends

(8) 1" Hex Nut
A563 Gr A
Hot Dip Galvanized

(8) 1" USS Flat Washer
USS Flat Washer
Hot Dip Galvanized
*Grade 55 Hardware Available

(3) 8.5 Oz Epoxy Cartridges



AT1 Kit is a way to install new anchor bolts into an existing footing with damaged or misaligned anchor bolts. For light pole installations with (4) bolt square patterns
Follow all epoxy installation procedures.

Basic Info on threaded rod with Set-3G Epoxy

Threaded Rod Diameter	1"
Drill Bit Diameter	1-1/8"
Min. Embedment Depth	10"
Min. Edge Distance	1-3/4"
Min. Bolt Circle	9" See Chart

Refer to Simpson Strong Tie for full details

Ratings presume proper reinforcement with minimum 4000 psi concrete.

AT1 Kits are independently engineered to support traditional light poles with (4) bolt square patterns. See Load Chart Below.

Maximum Fixture EPA (SqFt) in given conditions. Not including EPA of light pole.

Pole Height	Pole Shape	115 MPH Wind Zone				120 MPH Wind Zone				130 MPH Wind Zone				140 MPH Wind Zone			
		Anchor Bolt Circle				Anchor Bolt Circle				Anchor Bolt Circle				Anchor Bolt Circle			
		9"	10"	11"	12"	9"	10"	11"	12"	9"	10"	11"	12"	9"	10"	11"	12"
25 Feet	5" Square	6.6	8.1	9.9	11.5	3.1	4.7	6.3	7.9	1.1	2.5	3.7	5.1	1.8	3.3	4.6	6.0
	5" Round	9.1	10.9	12.6	14.2	8.5	9.9	11.5	13.1	6.9	8.3	9.5	11.0	8.1	9.5	10.9	12.3
30 Feet	5" Square	2	3.4	4.8	6.2	-	-	1.1	2.2	-	0.3	1.6	3.1	-	-	-	0.8
	5" Round	5.2	6.6	8.2	9.6	5	6.2	7.5	8.7	3.7	5.0	5.9	7.1	5.0	6.0	7.2	8.4
35 Feet	5" Square	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5" Round	2.2	3.3	4.3	5.5	1.8	2.8	3.8	4.8	2.8	4.0	5.0	6.2	2.1	3.1	4.1	5.0
40 Feet	5" Square	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5" Round	-	0.7	1.6	2.4	-	-	1.1	2.1	3.4	2.4	1.4	0.7	-	1.0	1.7	2.5

AASHTO LRFDLTS-1 115 MPH Roughly equivalent to 90-mph design wind speed under previous code methods.

LIGHT POLE SYSTEMS, INC.

All Thread Rod-Epoxy Kit 1"

Part # AT1

7/30/26

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