

## POWER INSTALLED SCREW ANCHOR WRENCH

For installing torques up to 10,000 ft.-lbs.

- A complete wrench consists of a Kelly Bar Adapter, Locking Dog, and Drive End.
- These installing wrenches are part of a complete system for installing screw anchors with power digging equipment.
- The wrench transmits the torque from the Kelly bar of the digger to the hub of the Power Installed Screw Anchor so that the anchor rod need be only large enough in diameter to support the guy load.
- Extension assemblies can be added where soil conditions dictate that anchors be set more than one rod length deep or where digger to ground clearances are limited.



### KELLY BAR ADAPTER

Cat. No.	Description
P630017	2-1/2" Sq.
P630016	2-1/4" Sq.
P630013	2" Hex
P630012HD	2-5/8" Hex
P630011HD	2-1/2" Hex
Features 5-1/4" bolt circle and include six 1/2" bolts, nuts, washers.	



### LOCKING DOG ASSEMBLY

Cat. No.	Description
C303-0069HD	Complete Locking Dog Assembly
C303-0070	Locking Dog Replacement Kit Includes all parts less housing
Features six 1/2" holes on a 5-1/4" bolt circle. Includes six 1/2" grade 5 bolts, nuts, and lock washers	

### DRIVE END ASSEMBLY

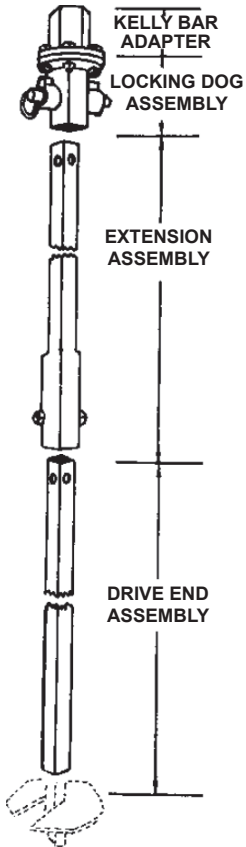
Cat. No.	Description
<b>8" Drive End Assembly</b>	
C303-0020	For 1-1/2" Core Anchors. Installs SS-5, SS-150, and round rod Anchors
<b>3-1/2' Drive End Assembly</b>	
C102-1595	For 1-3/8" Core Anchors. Installs Standard-Strength, Mid-Strength, and Tough One Anchors (8,000 & 10,000 ft-lb)
C303-1063	For 1-1/2" Core Anchors. Installs PISA 6 & 7 and Tough One (8,000 ft-lb)
<b>7' Drive End Assembly</b>	
C102-1583	For 1-3/8" Core Anchors Installs Standard-Strength, Mid-Strength, and Tough One Anchors (8,000 & 10,000 ft-lb) - orange band
C303-1064	For 1-1/2" Core Anchors. Installs PISA 6 & 7 and Tough One Anchors (8,000 ft-lb) - yellow band

NOTE: These wrenches will fit 15,000 ft.-lb. Tough One anchors dimensionally, but MUST NOT be used for torques in excess of 10,000 ft.-lb



### EXTENSION ASSEMBLY

Cat. No.	Description
630027	3-1/2' Extension Assembly
630028	7' Extension Assembly



## TOUGH ONE® ANCHOR INSTALLING TOOLS

For installing torques up to 15,000 ft.-lbs.

	Cat. No.	Description
Kelly Bar Adapters	C303-0936	2-1/2" Hex
	C303-0937	2-5/8" Hex
	C303-0940	3" Hex
	C303-0955	2-1/2" Square
	C303-0958	3" Square
Locking Dog Assembly	C303-0981	Locking Dog Assembly
	C303-1026	Replacement Kit
Drive End Assembly	C303-0982	<b>3.5' long.</b> Installs 8,000 & 15,000 ft-lb Tough One Anchors and all 1-1/2" Core Anchors - <b>Red Band</b>
	C303-0983	<b>7' long.</b> Installs 8,000 & 15,000 ft-lb Tough One Anchors and all 1-1/2" Core Anchors - <b>Red Band</b>
Extension Assembly	C303-0987	3.5' Extension Assembly
	C303-0988	7' Extension Assembly

- *A complete wrench consists of a Kelly Bar Adapter, Locking Dog, and Drive End.*
- Kelly Bar adapter & Locking Dog Assembly feature twelve 5/8" holes on a 7-5/8" bolt circle

## DIGITAL TORQUE INDICATOR



### Cat. No. C303-1578

Install screw anchors to a pre-determined torque value which gives a positive indication of anchor holding capacity in any type soil. For installing torques up to 30,000 ft-lb.

## SHEAR PIN TORQUE LIMITER

For installing torques up to 10,000 ft-lb. Disconnects the power when the installing torque reaches a preselected level. Useable in very rocky soil.



Cat. No.	Description
C303-0044	Shear Pin Torque Indicator
C303-0045	Carton of Pins (approx. 1,700)
T303-1420	Box of Pins (approx. 510)

## ADAPTERS & DRIVE TOOLS



**Cat. No. C303-0115**  
Bolt circle adapter with two 1/2" x 5-1/4" bolt circles



**Cat. No. T303-0166**  
Bolt circle adapter with one 1/2" x 5-1/4" bolt circle and one 5/8" x 7-5/8" bolt circle

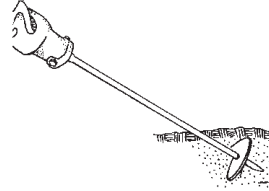


**Cat. No. 639001**  
Drive tool for installing SS or RR anchors. (6) 1/2" holes on 5-1/4" BC. For 1.5" core anchors



**Cat. No. C303-0020**  
SS5/SS150/RR Drive Tool for use with Standard Locking Dog Assembly

## SCREW ANCHOR TOOL



### Cat. No. SAT80

This tool is used for installing anchors without having to remove the auger. Slip the tool over the pilot bit and insert the anchor eye into the other end. Proceed to screw the anchor into the ground.

**For use with pressure diggers only. Do not use to remove anchors.**

## POWER INSTALLATION TOOL FOR NO-WRENCH ANCHORS



### Cat. No. E303-0255

This tool bolts directly to the Kelly bar adapter. Adjustable pivot plates accept rods from 3/4" to 1-1/4" diameter. Through-pin with retainer clip passes through the eyenut. Includes 4 - 1/2" x 1-1/2" bolts, nuts and lock washers.

## NO-WRENCH SCREW ANCHOR

No-Wrench Screw Anchors may be installed by hand or machine. The Thimbleye or Tripleye on the rod has a large opening to admit a turning bar for screwing the anchor down. The eye will also fit into an adapter available from most hole-boring machine manufacturers so the anchor may be power-installed. The entire length of the anchor is hot-dip galvanized for long resistance to rust.

Maximum installing torque is:

- 400 ft-lbs for 3/4" rod
- 1000 ft-lbs for 1" rod
- 2300 ft-lbs for 1-1/4" diameter rod

Cat. No.	Anchor Dia.	Rod Size	Std Pk / Pallet	No Wrench Anchor Holding Strength (lb) vs Chance Soil Class		
				Class 5	Class 6	Class 7
4345	4"	3/4" x 54"	1/100	4,500	3,000	1,500
6346	6"	3/4" x 66"	1/100	6,500	5,000	2,500
816	8"	1" x 66"	1/60	11,000	9,000	6,000
10146	10"	1-1/4" x 66"	1/20	13,000	10,000	7,000
10148	10"	1-1/4" x 96"	1/20	13,000	10,000	7,000
12537	14"	1-1/4" x 96"	1/20	16,000	15,000	12,000
402	1-1/4" x 6' Tripleye Extension					
E303-0255	No-Wrench Power Installation Tool					

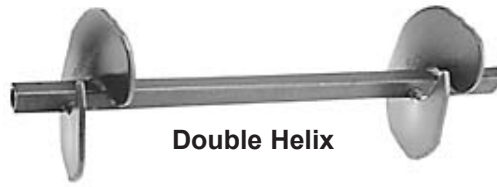
**NOTE: IF HAND INSTALLED, HOLDING STRENGTH MAY BE REDUCED BY AS MUCH AS 10% - 20%. ULTIMATE STRENGTH RATINGS APPLY TO PROPERLY INSTALLED ANCHORS ONLY. FAILURE TO INSTALL WITHIN 10° OF ALIGNMENT WITH THE GUY LOAD MAY SIGNIFICANTLY LOWER STRENGTH**



## PISA HELIX ASSEMBLIES



Single Helix



Double Helix

### STANDARD-STRENGTH SERIES

1-3/8" CORE - Squared Helix - 3" Helix Pitch  
4000 ft.-lbs. Typical Working Torque

Cat. No.	Dia.	Description	Std. Pk.
024474	8"	Single Helix for 5/8" Dia. Roads	8
024476	10"		4
024462	12"		4
024475	8"	Single Helix for 3/4" x 1" Dia. Rods	8
024478	10"		4
024481	12"		4
024484	14"		2
012904	8"	Twin Helix for 3/4" & 1" Dia. Rods	1
012905	10"		1

### MID-STRENGTH SERIES

Squared Helix - 3" Helix Pitch, 6000 ft.-lbs. Typical Working Torque

1-1/2" Core		1-3/8" Core		
Cat. No.	Cat. No.	Dia.	Description	Std. Pk.
E102-0816	E102-1629	8"	Single Helix for 5/8" Dia. Roads	8
E102-0817	E102-1630	10"		4
---	E102-1631	12"		4
E102-0819	E102-1632	8"	Single Helix for 3/4" x 1" Dia. Rods	8
E102-0820	E102-1633	10"		4
E102-0821	E102-1634	12"		4
T102-2142	E102-1801	14"		2
---	E102-1635	4"	Twin Helix for 3/4" & 1" Dia. Rods	1
E102-0822	E102-1636	8"		1
E102-0823	E102-1637	10"		1

## TOUGH ONE® ANCHOR HELIX ASSEMBLIES



### 8,000 FT-LB TOUGH-ONE ANCHOR

2-1/4" Square Inside Hub. Install with Chance Standard Wrench

Cat. No.	Dia.	Description	Std. Pk.
C102-5208	8"	For 5/8" dia. Rod	4
C102-5209	10"	For 5/8" dia. Rod	4
C102-5204	8"	For 3/4" & 1" dia. Rod	4
C102-5205	10"	For 3/4" & 1" dia. Rod	4
C102-5206	12"	For 3/4" & 1" dia. Rod	2
C102-5207	14"	For 3/4" & 1" dia. Rod	2
C102-5210	12"	For 5/8" dia. Rod	2

### 8,000 FT-LB TOUGH-ONE ANCHOR

2-1/2" Square Inside Hub. Install with Chance Hybrid or Tough-One Wrench

Cat. No.	Dia.	Description	Std. Pk.
C102-5008	8"	For 5/8" dia. Rod	4
C102-5009	10"	For 5/8" dia. Rod	4
C102-5004	8"	For 3/4" & 1" dia. Rod	4
C102-5005	10"	For 3/4" & 1" dia. Rod	4
C102-5010	12"	For 5/8" dia. Rod	2
C102-5006	12"	For 3/4" & 1" dia. Rod	2
C102-5007	14"	For 3/4" & 1" dia. Rod	2

### 10,000 FT-LB TOUGH-ONE ANCHOR

2-1/4" Square Inside Hub. Install with Chance Standard Wrench

Cat. No.	Dia.	Description	Std. Pk.
C102-5200	8"	For 3/4" & 1" dia. Rod	4
C102-5201	10"	For 3/4" & 1" dia. Rod	4
C102-5202	12"	For 3/4" & 1" dia. Rod	2
C102-5203	14"	For 3/4" & 1" dia. Rod	2

### 15,000 FT-LB TOUGH-ONE ANCHOR

2-1/2" Square Inside Hub. Install with Chance Tough-One Wrench

Cat. No.	Dia.	Description	Std. Pk.
C102-5000	8"	For 3/4" & 1" dia. Rod	4
C102-5001	10"	For 3/4" & 1" dia. Rod	3
C102-5002	12"	For 3/4" & 1" dia. Rod	2
C102-5003	14"	For 3/4" & 1" dia. Rod	2

## ANCHOR RODS



Description	Cat. No.	Dia.	O.A. Length
A) ANCHOR RODS - THIMBLEYE Galvanized	5316	5/8"	6'
	5317	5/8"	7'
	5328	3/4"	8'
A) ANCHOR RODS - TWINEYE Galvanized	5346	5/8"	6'
	5347	5/8"	7'
	5357	3/4"	7'
	5358	3/4"	8'
	5359	3/4"	9'
	5368	1"	8'
	5370	1"	10'
A) ANCHOR RODS - TRIPLEYE Galvanized	7568	1"	8'
	7570	1"	10'
	7574	1-1/4"	10'

## EYENUTS



Application	Thimbleye		Twineye		Tripleye	
	Cat. No.	Std Pk	Cat. No.	Std Pk	Cat. No.	Std Pk
For 5/8" dia. Rods	12587	25	12589	25	12593	25
For 3/4" & 1" dia. Rods	6512	25	6562	25	12585	25
For 1" dia. Rods	---	---	6562H	25	12585H	25

## RODS



Size	3-1/2' Rod		7' Rod		Ultimate Strength*
	Cat. No.	Std Pk	Cat. No.	Std Pk	
5/8" Dia.	12336P	5	12332P	5	16,000 lb
3/4" Dia.	12634P	5	12632P		23,000 lb
1" Dia.	12338P	5	12334P	2	36,000 lb
1" Dia. HS	C102-1987	5	102-1986		50,000 lb

\*Ultimate Strength ratings apply to properly installed anchors only. Failure to install within 10 degrees of alignment with the guy load may significantly lower strength.

## COUPLINGS



Application	Cat. No.	Std Pk
For 5/8" dia. Rods	12245P	60
For 3/4" & 1" Rods	12247P	50

**NOTE: COUPLING ARE REQUIRED BETWEEN ROD EXTENSION LENGTHS**