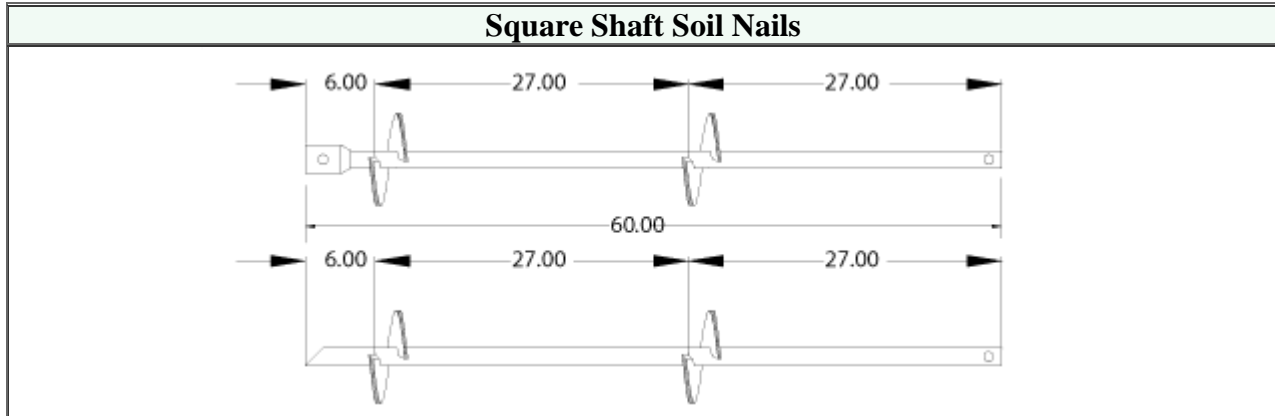




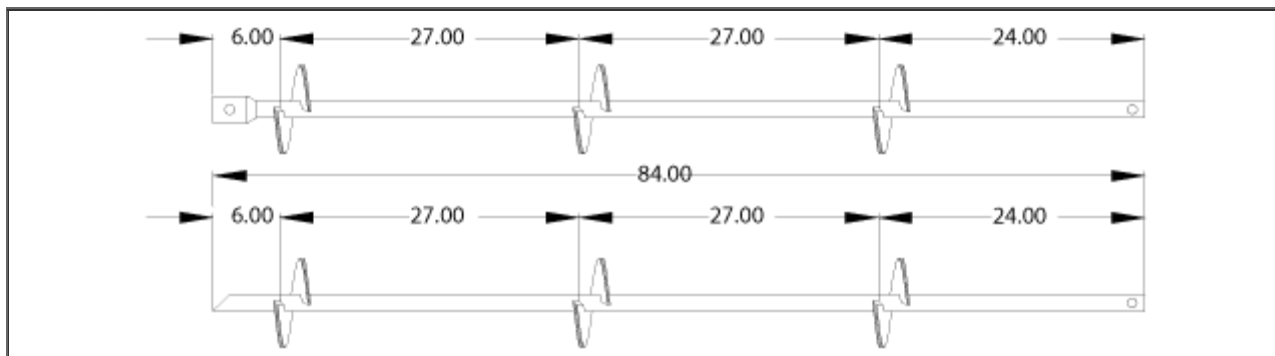
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Helical Soil Nails

Earth Contact Products (ECP) is the leading manufacturer of helical soil nails in the United States. Our Engineering, Design and Production capabilities of helical soil nailing has become the standard in the industry. ECP offers helical soil nails in 1-1/2" and 1-3/4" square bar with both 6" or 8" helix flights.



Soil Nail Product Configurations				
Part Number	Shaft Size	Plate Size	Number Plates	Shaft Length
TAS-150-60 6-6 Lead	1-1/2" Square	6" Diameter	2	5'- 0"
TAS-175-60 6-6 Lead	1-3/4" Square			
TAS-150-60 8-8 Lead	1-1/2" Square	8" Diameter.	2	5'- 0"
TAS-175-60 8-8 Lead	1-3/4" Square			
TASE-150-60 6-6 Extension	1-1/2" Square	6" Diameter	2	5'- 0"
TASE-175-60 6-6 Extension	1-3/4" Square			
TASE-150-60 8-8 Extension	1-1/2" Square	8" Diameter	2	5'- 0"
TASE-175-60 8-8 Extension	1-3/4" Square			



Part Number	Shaft Size	Plate Size	Number Plates	Shaft Length
TAS-150-84 6-6-6 Lead	1-1/2" Square	6" Diameter	2	7'- 0"
TAS-175-84 6-6-6 Lead	1-3/4" Square			
TAS-150-84 8-8-8 Lead	1-1/2" Square	8" Diameter.	2	7'- 0"



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TAS-175-84 8-8-8 Lead	1-3/4" Square			
TASE-150-84 6-6-6 Extension	1-1/2" Square	6" Diameter	2	7' - 0"
TASE-175-84 6-6-6 Extension	1-3/4" Square			
TASE-150-84 8- 8-8 Extension	1-1/2" Square	8" Diameter	2	7' - 0"
TASE-175-84 8-8-8 Extension	1-3/4" Square			

Note: Custom fabrication of soil nail products to your specifications is available – Inquire for pricing and delivery. All helical plates are 3/8" thick and spaced as shown above. Extensions supplied with integral coupling and SAE J429 grade 8 bolts and nuts. Product is hot dip galvanized per ASTM A123 grade 100. Soil Nail products available as special order – Allow extra time for processing.

Capacities of Soil Nails			
Shaft Size	Shaft Configuration	Ultimate-Limit Tension Strength	Useable Torsion
1-1/2" Square	Solid Bar	70,000 lb.	7,000 ft-lb
1-3/4" Square	Solid Bar	100,000 lb.	11,000 ft-lb

IMPORTANT NOTE:

The capacities listed are mechanical ratings. One must understand that the actual installed load capacities are dependent upon the actual soil conditions on a specific job site and the strength of the termination connection. The useable shaft torsional strengths given here are the maximum values that should be applied to the product. Furthermore, these torsional ratings assume homogeneous soil conditions and proper alignment of the drive motor. In homogeneous soils it might be possible to achieve 90% to 95% of the ultimate torsional strength shown in the table. The designer should select a product that provides adequate additional torsional capacity for the specific project and soil conditions.



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