

Product Catalogue

External Installers

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About Almita Piling

Almita Piling is Canada's leading provider of helical piles. We design, manufacture, and install helical piles for a wide variety of industries throughout Canada and the U.S, some of which include oil & gas, power transmission & distribution, industrial, commercial & residential construction. Our unique helix design allows our piles to be screwed into the ground, offering better value than traditional piling methods.

Almita has offices in Edmonton, Calgary, Ponoka, Saskatoon, Guelph and Castle Rock, CO. The company has been producing helical piles since 1991.

Our Canadian Welding Bureau-certified manufacturing facility allows us to customize each project as required. Safety and quality assurance are of utmost importance to us and are embedded in all aspects of our service from initial assessment to installation and follow-up.

Almita can provide foundation solutions for any infrastructure – large or small.

Advantages

High Speed Production

Advanced semi-automated manufacturing equipment enables rapid production of high volumes. Almita also maintains a stock of pre-fabricated piles to ensure a quick turnaround on all orders.

Environmental Benefits

By their very nature, helical piles are cleaner and more environmentally friendly than concrete foundations. An environmental benefit associated with helical piles is their significantly lower greenhouse gas emissions. Since helical piles do not require concrete, the CO₂ emissions associated with every stage of concrete production (trucking, hoarding, reheating, etc.) are avoided.

During the installation of helical piles, the tailings are either entirely eliminated or greatly minimized as compared to concrete foundation. Concrete foundation can impact the ground water on a particular site when leeching soils are present. Helical piles do not have these issues.

Completely Removable

Although they are typically used as permanent foundations, helical piles are easily unscrewed back out of the ground at the end of a project, leaving little environmental impact.

Minimal Disturbance

Installing Almita's helical screw piles requires very little equipment thereby reducing the environmental footprint. Almita's installation process produces next to no noise or vibrations, minimizing the disruption of sensitive environments.

Economic Benefits

Almita's helical piles are a cost-effective foundation solution in comparison to concrete-based alternatives. Almita's helical piles offer the following cost benefits:

- Speed and ease of installation, to minimize down time;
- Can be installed year round, increase construction schedule predictability.

Certification

Helical piles are an innovative foundation product, designed by Almita's team of professional engineers. As an innovator in the industry, Almita participated as an advisor in the authoring of the section on helical screw piles in the Canadian Foundation Engineering Manual. In addition to Almita's industry leadership position, Almita's helical piles have received the following certification:

- Canadian Construction Material Centre (CCMC) Certification;
- ISO 9001-certified manufacturing plant;
- Canadian Welding Bureau-certified;

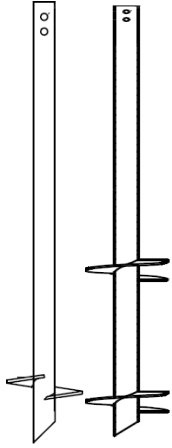
Canadian Construction Material Centre (CCMC) Certification

The Canadian Construction Materials Centre (CCMC), part of the National Research Council of Canada, offers a national evaluation service for innovative construction materials, products, systems and services. CCMC evaluations are supported by the latest technical research and expertise and are based on the requirements of the National Building Code of Canada or Provincial/Territorial Building Codes. CCMC-evaluated products are used in commercial and residential buildings.


Using Almita's CCMC evaluated helical piles on your project provides the following benefits:

- Facilitate approval by building permit officer
- Satisfy requirements by Canadian Mortgage and Housing Corporation (CMHC)
- Recognized by all provinces and territories
- Comply with Public Works and Government Services Canada standards
- Recognized by Canadian Home Builders' Association

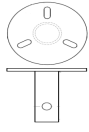

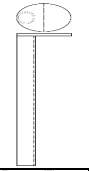
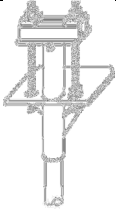
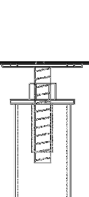
Helical Piles

Part ID	Name	LBS/Pc	Shaft Diameter (in.)	Length (ft.)	Helix Diameter (in.)	Bolt Holes	Suitable Applications	Avail.	Bundle Size	Schematic
PIL-0238-217-08-B-001	Light Load Deck Pile	50	2 3/8	8	3/8 x 10	2	Lightly loaded decks	Stock	10	
PIL-0278-217-05-B-005	Deck Pile	42	2 7/8	5	3/8 x 12	2	Garage Pads, decks, verandas, patios, balconies, pergolas, greenhouses, solariums, slabs, sidewalks, fence posts, solar panels, boardwalks, tiebacks, underpinning	Stock	10	
PIL-0278-217-08-B-004	Deck Pile	61	2 7/8	8	3/8 x 12	2		Stock	10	
PIL-0278-217-10-B-007	Deck Pile	73	2 7/8	10	3/8 x 12	2		Stock	10	
PIL-MH-0312-250-10-B-001	Mobile Home Pile	109	3 1/2	10	1/2 x 14	2		Gradebeams, manufactured homes, stairway landings, elevated platforms, cabins/cottages, terraces, trailers, bollards	Stock	
PIL-0312-250-15-B-001	Mobile Home Pile	155	3 1/2	15	1/2 x 14	2	Stock		10	
PIL-0412-250-10-B-003	Heavy Mobile Home Pile	140	4 1/2	10	1/2 x 16	2		Stock	8	
PIL-0412-250-15-B-001	Heavy Mobile Home Pile	170	4 1/2	15	1/2 x 16	2	Manufactured homes, carports, skid shacks, small oilfield applications, arched fabric buildings, sign posts	Stock	8	
PIL-0412-250-15-B-007	Heavy Mobile Home Pile (double helix)	223	4 1/2	15	1/2 x 16, 16	2		Stock	4	
PIL-0512-304-15-B-005	Light Commercial	315	5 1/2	15	3/4 x 20	3	Residential, light commercial	Stock	6	
PIL-0512-304-20-B-008	Light Commercial	400	5 1/2	20	3/4 x 20	3	Residential, light commercial	Stock	6	
PIL-0700-317-20-B-004	Pump Jack Pile (double helix)	499	7	20	1/2 x 16, 16	2	Residential, commercial, oilfield	Stock	4	

Extensions

Part ID	Name	Shaft Diameter (in.)	Length (ft.)	Lbs/Pc	Bolt Holes	Avail.	Bundle Size	Schematic
EXT-0238-217-05-B-003	Extension for Deck Pile	2 3/8	5	30	2	On order	10	
EXT-0278-217-05-B-001	Extension for Deck Pile	2 7/8	5	37	2	Stock	10	
EXT-0278-217-10-B-001	Extension for Deck Pile	2 7/8	10	68	2	Stock	10	
EXT-0312-250-05-B-001	Extension for Mobile Home Pile	3 1/2	5	57	2	Stock	10	
EXT-0312-250-10-B-001	Extension for Mobile Home Pile	3 1/2	10	101	2	Stock	10	
EXT-0412-250-10-B-002	Extension for Heavy Mobile Home Pile	4 1/2	10	137	2	Stock	10	
EXT-0512-304-10-B-002	Extension for light commercial	5 1/2	10	200	3	Stock	8	
EXT-0700-317-10-B-002	Extension for commercial, O&G	7"	10	305	2	On order	8	

Helical Pile Caps

Part ID	Name	Fits Pile Diam. (in)	Description	Availability	Bundle Size	Schematic
CAP-038-08-00-C-005	Round, slotted deck cap, 4" stub	2 7/8		Stock	Singles	
CAP-038-08-00-C-003	Round, slotted deck cap, 4" stub	3 1/2		Stock	Singles	
	Round, slotted deck cap, 4" stub	4 1/2		Special Order	Singles	
CAP-038-08-00-C-004	Round, off-set slotted deck cap, 4" stub	2 7/8		Stock	Singles	
CAP-038-08-00-C-006	Round, off-set slotted deck cap, 4" stub	3 1/2		Stock	Singles	
	Round, off-set slotted deck cap, 4" stub	4 1/2		Special Order	Singles	
CAP-OTS-0278-03-001	Mobile home oval slider cap, 3 ft. long	3 1/2		Stock	15	
CAP-OTS-0312-03-001	Heavy mobile home oval slider cap, 3 ft. long	4 1/2		Stock	10	
BRA-0278-B-001-A, BRA-0278-B-005-A, BRA-0278-B-002	Dura-Lift Underpinning Bracket	2 7/8	Underpinning for Foundation repair	Stock	Singles	
BRA-0312-B-001, BRA-0312-B-004-A, BRA-0278-B-002-A	Dura-Lift Underpinning Bracket	3 1/2	Underpinning for Foundation repair	Stock	Singles	
ADJ-TOP-0278-06-004	Adjustable Threaded L- Bracket Cap	2 7/8		Stock	Singles	
ADJ-TOP-0312-06-001	Adjustable Threaded L-Bracket Cap	3 1/2			Singles	
ADJ-TOP-0412-06-001	Adjustable Threaded L-Bracket Cap	4 1/2			Singles	

Drive Heads

Model Number	Name
Eskridge B28	5,000 FT-LB Drive handheld
Eskridge D50	5,000 FT-LB Drive
Eskridge 77	12,000 FT-LB Drive, Single Speed
	Eskridge 77 Jib Attachment
Eskridge 78	12,000 FT-LB Drive, Two Speed
	Eskridge 78 Jib Attachment
Eskridge 75	20,000 FT-LB Drive
	Eskridge 75 Jib Attachment
Eskridge 440	35,000 FT-LB Drive
Eskridge 600	50,000 FT-LB Drive
Eskridge 1000	83,000 FT-LB Drive
Eskridge 1400	116,000 FT-LB Drive

Drive heads require a minimum of 15 days lead time.

Digital Torque Monitoring System

Model	Description
Torq-Pin - 4" Screen	For drives 6,000-20,000 FT-LB
Torq-Pin - 8" Screen	For drives 6,000-20,000 FT-LB
Torq-Pin - 8" Screen	For drives 30,000-115,000 FT-LB

Torque monitoring systems require a minimum of 15 days lead time.

Drive Cans

Name	Fits Pile Diam. (in)	Description
Kelly adaptor drive tool	2 7/8	2 1/2" Kelly x 2 7/8"
Kelly adaptor drive tool	2 7/8	3" Kelly x 2 7/8"
Kelly adaptor drive tool	3 1/2	2 1/2" Kelly x 3 1/2"
Kelly adaptor drive tool	3 1/2	3" Kelly x 3 1/2"
Kelly adaptor drive tool	4 1/2	2 1/2" Kelly x 4 1/2"
Kelly adaptor drive tool	4 1/2	3" Kelly x 4 1/2"
Kelly adaptor drive tool	5 1/2	4" Kelly x 5 1/2"

Drive cans require a minimum of 15 days lead time.