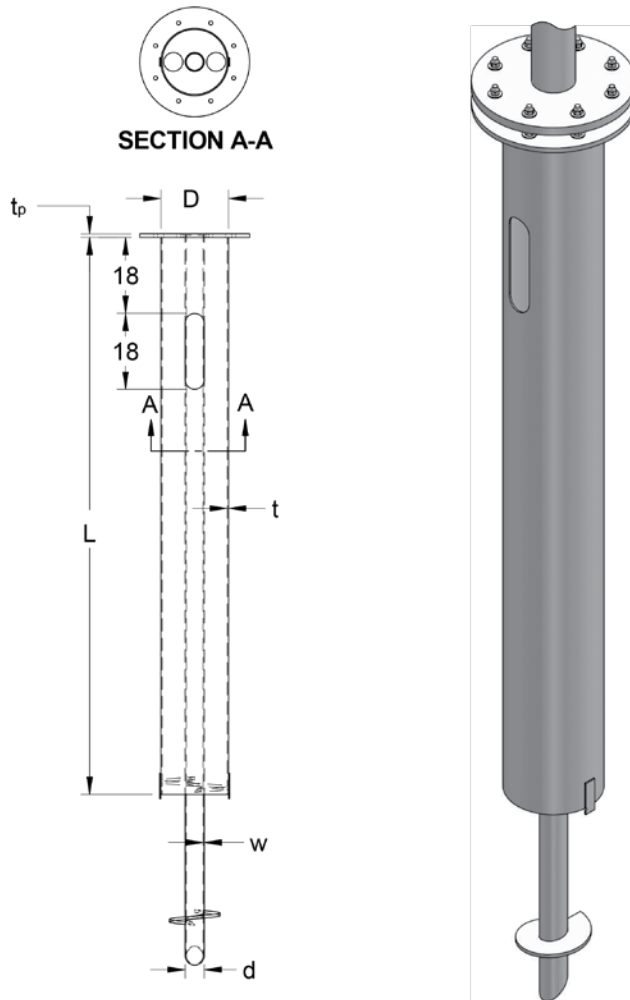


MAGNUM® MBSS#L Helical Post Base

Light Pole Foundation

16" Ø x 11 ft Long Steel Casing



Description

Magnum MBSS#L Helical Post Base is a full displacement deep foundation for support of sound walls, light poles, signs, towers and other structures where the primary loading condition is overturning or lateral shear. The standard capacity offers greater economy for many applications.

Helical Post Bases offer all the advantages of a helical foundation in that they do not produce drill spoil or cause vibrations during installation. They do not require concrete and the sign, light post, or other structure can be mounted to the foundation immediately after installation. They are ideal for rail corridors, rural areas, along highways, and near bridge/overpass approaches.

Bolted top plate moment connection allows adjustment in position and inclination. Patented design with novel geometry and side cutting teeth reduces installation torque and improves penetration into tough ground conditions. See accompanying sizing chart or contact a Magnum Technical Support representative for help with sizing and specification.

SPECIFICATIONS								
Post Base Size	Steel Casing			Helix Gauge	Shaft		Top Plate	Bolt Dia.
	Length	O.D.	Gauge		Dia.	Gauge		
	L	D	t	T	d	w	t _p	d _b
MBSS16L	10'-30'	16.00"	0.109"	5/8"	4.50"	0.25"	7/8"	1"

ALLOWABLE CAPACITY				
Flexure		Shear		Allow. Torque
Std.	w/ Slot	Std.	w/ Slot	
kip-ft	kip-ft	kips	kips	ft-lbs
52	47	44	40	53,000

Note: All plate steel is ASTM A36, central steel shaft is ASTM A513, and outer steel casing is ASTM A500 Gr. C. Available hot-dip galvanized (G) or bare steel (NG). Capacities shown are based on 75 yr corrosion with galvanization.

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All Magnum Products Made in U.S.A.

U.S. Patents 6,722,821; Other Patents Pending.