

## Lifting and Leveling Insert



### LIFTING & LEVELING INSERT DATA

Item Number	Slab Thickness	S.W.L Tension (4:1 S.F)	Min. Edge Distance (Tension)
MBLL0800G	8"	7,600 lbs.	11"
MBLL0900G	9"	9,200 lbs.	12"
MBLL1000G	10"	9,600 lbs.	12"
MBLL1100G	11"	9,600 lbs.	12"
MBLL1200G	12"	9,600 lbs.	12"

**Note:** Product to meet additional slab thicknesses are available upon request.  
a) Safe Working Loads are based on 3,000 psi concrete and 1/2" insert set back from the concrete surface  
b) Insert and base plate are electrogalvanized per ASTM B-633 SC-1  
c) Base plates are shipped loose  
d) Minimum coil bolt penetration per Meadow Burke literature applies

### What is the Lifting and Leveling Insert?

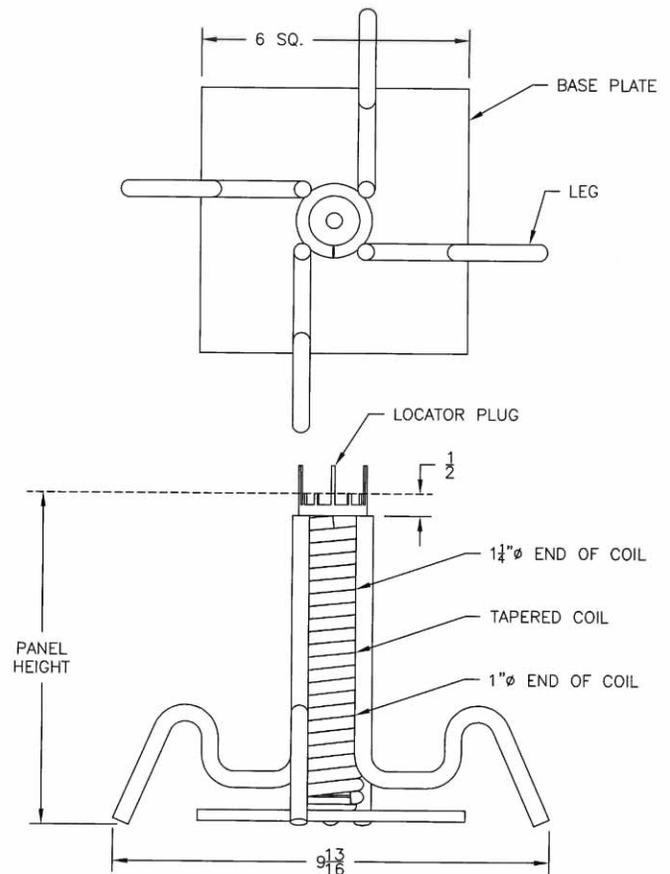
The Lifting and Leveling Insert allows for the lifting and level positioning of precast concrete paving slabs used in concrete roadway installations and repairs. After the slab is lifted and positioned in place, the insert in conjunction with a Leveling Bolt also acts as a 'jack' to establish the correct level of the slab to create a consistent surface height.

### How it works:

The Lifting and Leveling Insert is a combination of a steel, dual diameter coil anchor attached to a base plate. The assembly is precast into the concrete paving slab. The insert is first used as a lifting device to transport and position the slab into place using a 1-1/4" diameter coil bolt and double swivel lifting plate. Once positioned, the precast paving slab is then leveled using a 1" coil bolt which pushes off the bottom plate and raises the slab in each of the four corners. This allows the height of the panel to be adjusted as the bolt moves deeper, acting as a lever to obtain the correct slab height.



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- **Saves time and money:** Eliminates the use of shims, allowing for quicker leveling of each slab.
- **Improved performance:** The Lifting and Leveling Insert's simple design utilizes the MB B125 plug to create the space for the bolt resulting in it being easy to locate.
- **Improved aesthetics:** Eliminates cracking at the corners where the shims are placed due to lack of support in the middle areas of the slabs. The positioning of the Lifting and Leveling Insert alleviates added stresses in the corners of the slabs found in the shimming process, thus eliminating the cracking at the corners.

**Call to learn more about the Lifting and Leveling Insert 877.518.7665, or visit MeadowBurke.com**

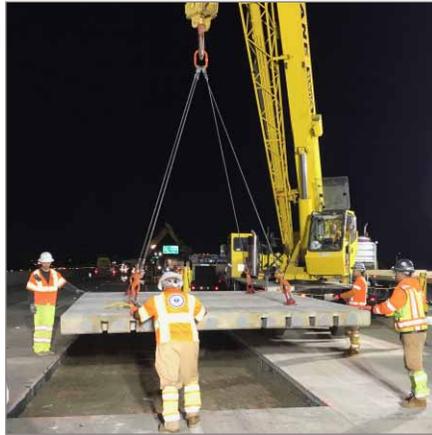
## Lifting and Leveling Insert

### Lifting Precast Paving Slab with MB Lifting and Leveling Inserts



#### STEP 1

- Install the MB LP-20 Swivel Lift Plate onto the slab at each of the four locations where the MB Lifting and Leveling Inserts have been cast, using the MB 1-1/4" diameter Lifting Bolt



#### STEP 2

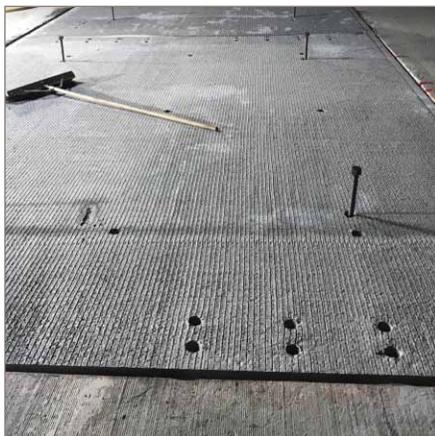
- Rig as required to lift properly and place precast paving slab into position in road way



#### STEP 3

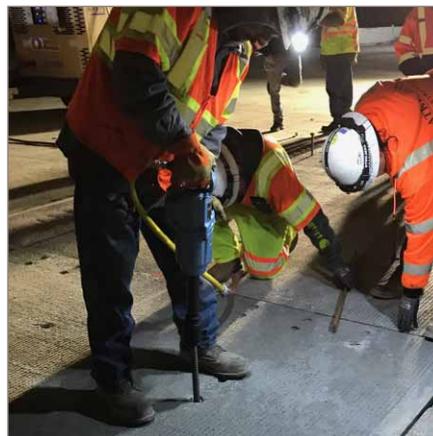
- Remove MB Lifting Bolts and subsequently MB LP-20 Swivel Lift Plates from slab

### Leveling Precast Paving Slab using the MB Lifting and Leveling Inserts



#### STEP 1

- Thread in the 1" diameter MB Leveling Bolt by hand until it bottoms out in the slab



#### STEP 2

- Apply torque using an Impact Driver to level the precast paving slab at each of the four locations, until slab is at the required leveled position