



Installation Instructions – Bollards into Concrete surfaces



Please ensure you are wearing your correct safety gear before installing your bollards

1. Base Plate Bollard



Tools and Equipment

- Hammer drill
- 4 x zinc sleeve anchor bolts (supplied with Bollards)
- 18mm socket
- Industrial vacuum
- Hammer



Instructions

1. Select the right location of where the bollard will be located
2. Hold the bollard in place and using a hammer drill, drill one 120mm deep hole into the ground
3. Remove the concrete dust
4. Hold the bolt, hammer into the ground and tighten with a 18mm socket. Repeat for each hole.

For best results we suggest the bollard is placed on a flat surface.

For more information on the LSP Base Plate Bollard range please visit the LSP website at

www.lsp-safety.com.au

2. Inground Bollard



Tools and Equipment

- Core drill
- Concrete
- Water
- Level



Instructions

1. Lay out the desired location for the bollard placement and mark the ground at the approximate centre point
2. Next step is to core drill a hole into the concrete. The diameter of the hole has to be the diameter of the bollard plus 30mm and it should be 400mm deep.
3. Mix the concrete following the manufacturers printed directions on the bag label.
4. Insert the bollard into the hole and use a level to hold it plumb
5. Shovel the concrete mix into the hole around the perimeter of the bollard. Tap the bollards side with a rubber mallet or hammer as you insert the concrete mix to help pack the mix. Fill the mix up to the ground level.
6. The concrete mix has to cure for a minimum of 48 hours to complete the bollard installation

For best results we suggest the bollard is placed on a flat surface.

For more information on the LSP Inground Bollard range please visit the LSP website at www.lsp-safety.com.au

3. Removable Bollard



Tools and Equipment

- Core drill
- Concrete
- Water
- Level



Instructions

1. Lay out the desired location for the bollard placement and mark the ground at the approximate centre point
2. Next step is to core drill a hole into the concrete. The diameter of the hole has to be the diameter of the bollard plus 30mm and it should be 400mm deep.
3. Mix the concrete following the manufacturers printed directions on the bag label.
4. Insert the bollard into the hole and use a level to hold it plumb. Ensure the locking tab is positioned upwards and away from the concrete.
5. Pour the concrete mix into the hole around the perimeter of the bollard. Tap the bollards side with a rubber mallet or hammer as you insert the concrete mix to help pack the mix. Fill the mix up to the ground level.
6. The concrete mix has to cure for a minimum of 48 hours to complete the bollard installation

For best results we suggest the bollard is placed on a flat surface.

For more information on the LSP Removable Bollard range please visit the LSP website at

www.lpsafety.com.au

4. Flexible Bollard



Tools and Equipment

- Hammer drill
- 3 - 12 x 75mm Sleeve Anchor Bolt
- Socket
- Industrial vacuum
- Hammer



Instructions

1. Select the right location of where the bollard will be located
2. Hold the bollard in place and using a hammer drill, drill one 100mm deep hole into the ground
3. Remove the concrete dust
4. Hold the dynabolt, hammer into the ground and tighten with a socket. Repeat for each hole.

For best results we suggest the bollard is placed on a flat surface.

For more information on the LSP Flexible Bollard range please visit the LSP website at www.lsp-safety.com.au