Overview & Preparation

Product Overview

This guide applies to The Ramp People's Manual Rising (telescopic) Bollard.

The bollard is manually operated, extends upward from ground level, and locks in place using an internal mechanism.

1. Pre-installation Checks

Upon opening the box, please check the bollard and keys to ensure nothing is missing or damaged. We recommend checking the bollard is operating as it should prior to installation. If any faults are noted please contact the supplier immediately. Do not install a product if it is damaged or faulty.

2. Site Planning & Safety

Location selection:

Verify site with utility plans and perform a scan for underground services.

Mark bollard centre exactly; maintain recommended spacing between multiple bollards (1250 – 1400 mm).

Excavation:

Dig a hole approximately 300 mm × 300 mm, and 150–200 mm deeper than the bollard's ground socket.

Remove all debris, vegetation and ensure a level base.

3. Drainage & Bedding Base

Place 100–200 mm of clean loose stone or 20 mm chippings at the bottom of the hole to allow proper drainage.

Ensure aggregate is evenly distributed and compacted as needed.

4. Positioning the Ground Socket

Lower the metal ground socket carefully into the hole over the stone bed.

Ensure the socket top sits 5 mm above ground level, vertical in all planes (use spirit level).

Add or subtract stone as necessary to adjust height and alignment.

Installation & Final Setup

5. Pouring Concrete & Curing

Once the ground socket is correctly placed, backfill:

Up to ~300 mm from surface with compacted aggregate or soil.

Above that, pour grade C30 concrete (or 4:2:1 mix) to fill the hole. Finished lid surface must be flush with a slight fall away to divert water. Protective polythene may be used during initial curing.

Do not use pea gravel around bollard base.

Allow at least 24 hours before operating bollard; in cold or damp weather, allow up to 48 hours for full cure.

6. Bollard Insertion & Locking

Once concrete is cured, insert the telescopic bollard into the socket. Keep both bollard and lid clean.

Level and align the bollard using a spirit level. Use caution: never allow it to free-fall; always lower in a controlled manner.

Locking Mechanism:

Lift the inner post fully, push-button lock.

To unlock, release with key, rotate handle and lower gradually. Remove key after unlocking.

7. Final Checks & Clean-Up

Wipe clean around lid surround; ensure debris is removed.

Confirm lid and post are free-moving and lock securely.

Check alignment once more; adjust if necessary.

8. Weekly Maintenance Routine

Keep the sliding post and lid clean and free of sediment.

Lubricate the lock mechanism weekly (e.g. WD-40 or similar) to ensure smooth operation. For installations in high-water or harsh environments, inspect daily.

Always close the lid when bollard is not in use; maintain cover plate integrity.

Summary:

Utility check & marking site

Excavation to depth & size

Install drainage base & compact

Position and level ground socket

Pour concrete and allow curing

Insert the bollard and align vertically

Test lift, lock, and lower operations

Clean site & verify locking

Schedule weekly maintenance

Thank you for choosing The Ramp People – installer instructions prepared per best practices in bollard installation and safe operation.

Contact Details

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