



**Applications:** Lane protection, cycle paths, upgrades of existing streetscapes.

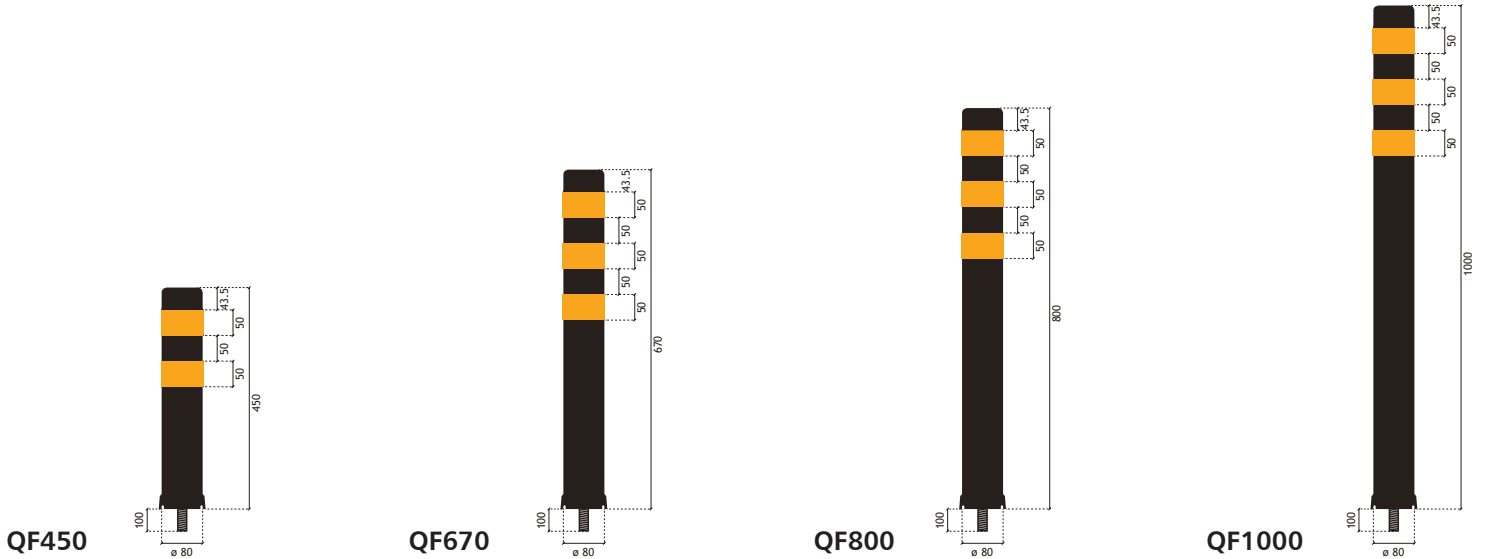
Produced using highly flexible polyurethane injection technology. Returns to initial form immediately after knockdown. Highly durable material resistant to multiple impacts. Protection against UV and thermal degradation. Produced according to EN 13422. Level III certified reflective screen according to EN 12899-2:2007. Optional key for easy removal and re-installation.

### Advantages

- ◆ Highly flexible polyurethane construction material
- ◆ Fast installation
- ◆ 100% ability to return to its original shape
- ◆ UV and Thermal Degradation protection
- ◆ Selection of colours and reflective tape options



Quick-Flex Bollards	QF450	QF670	QF800	QF1000
Height (above ground):	450mm	670mm	800mm	1000mm
Screw Depth (below ground):	100mm	100mm	100mm	100mm
Diameter (Base):	Ø80mm (Ø100mm)	Ø80mm (Ø100mm)	Ø80mm (Ø100mm)	Ø80mm (Ø100mm)
Reflective Tape:	50mm	50mm	50mm	50mm
Total Weight:	1.0kg	1.2kg	1.7kg	1.9kg



## Installation - Screw-in

1. Drill a hole 24mm allowing for 100mm insertion of bollard receiver into road surface
2. **Thoroughly clean drilled hole** to ensure adequate adhesion
3. Pump chemical anchor into the hole - **filling from bottom to finished surface**:  
ie: Wurth WIT-PM 200, DeWalt PV45, Sika Anchorfix
4. Insert the bollard assembly into the adhesive, using a twisting motion:  
For removable use: apply the bollard **with 1mm PVC base disc**  
For permanent use: apply the bollard **without 1mm PVC base disc**

**Allow to dry, see adhesive datasheet for curing times**



Step 1

Drill hole using 24mm masonry bit.



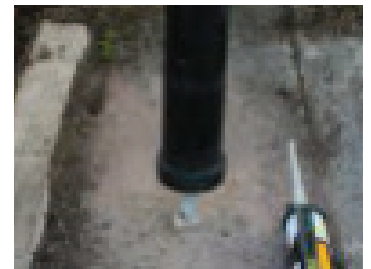
Step 2

Ensure hole **thoroughly cleaned**.



Step 3

Fill chemical anchor **flush with surface**.



Step 4

Insert bollard assembly, twist in slowly and leave to cure.



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## Installation - Resin

1. Screw base plate onto the thread at the bottom of the Quick-flex bollard
2. Ensure installation surface is **flat, level and cleaned thoroughly** with a brush
3. Apply resin to the surface of the freshly cleaned area  
(if surface is wet, ensure area is dried thoroughly before applying resin)
4. Position bollard over resin and press down firmly. **Leave to cure for 24 hours**



Step 1

Screw base plate to bollard.



Step 2

Ensure surface is **flat, level and thoroughly cleaned**.



Step 3

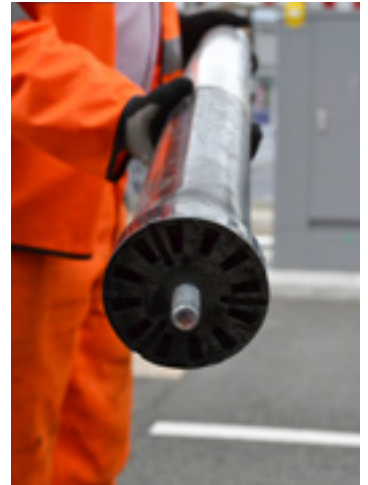
Apply resin to **thoroughly dried surface**.



Step 4

Firmly press bollard down onto the resin, leave to cure.

## Knockdown Performance - Screw-in



## Knockdown Performance - Resin



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