

# HiddenGate20™

## A New Approach to Access Control: **Ultra-Shallow Trench Folding**

The HiddenGate20™ is an **aesthetic, safety-engineered** access control system. Patented for its unique folding mechanism, it retracts into an **ultra-shallow 20cm (8") trench**, preventing damage to underground utilities and overcoming severe depth constraints. Engineered to ensure **100% safety** for pedestrians and vehicles, it delivers heavy-duty reliability as a first-of-its-kind solution, **leading a new category of innovative access control gates.**

✓ **INTEGRATED SAFETY SYSTEMS ENGINEERING**

✓ **ZERO-PROFILE FLUSH GATE**  
Folds flush to ground level  
Supports heavy 4-wheel **vehicle passage**

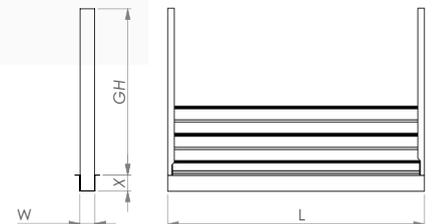


✓ **AESTHETIC DESIGN**

✓ **LOW-COST MANUFACTURING & INSTALLATION**  
High profitability

✓ **ULTRA-SHALLOW FOUNDATION**  
Requires **only ~10%** of gate height

Category	Technical Specification
Model	HiddenGate20™
Dimensions	Max length(L): 550cm (18ft); Max Height(GH): 250cm (8.2ft). Gate width(W): 19cm (7.5"). <b>Customized to project requirements.</b>
Installation Depth	<b>Ultra-Shallow 10:1 Ratio.</b> Patented design requiring excavation depth of 10% of the gate height(X) + cement [see drawing]
Materials	Aluminum Profile 6063-T5 Chemical Passivation + Electrostatic Powder Coating (High corrosion resistance & structural integrity)
Robust Drive System	Lifting system of Motor and Stainless Steel Cables
Motor Type	Encoder / limit motor; AC 110V – 230V or DC 24V
Operational Safety	Engineered to prevent risks, ensuring <b>100% protection for pedestrians and traffic.</b> Integrated <b>sensor</b> to ensure path clearance
Water Resilience	Elevated & water-isolated enclosure for motor and electronics
Wind Resistance	Tested and proven to withstand wind speeds up to <b>80 km/h (50 mph)</b>
Drainage	Integrated gravity-flow channel (Optional: Submersible pump)
Control Interfaces	Smartphone App, Remote, Dry Contact, Manual Key-Switch
Deliverables	Full CAD manufacturing drawings



**For technical info and partnership options**

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