

FoldGuard RCS

Description

FoldGuard RCS is an impact tested, automatic bi-folding gate. With three versions tested to mitigate the threat of vehicles travelling at 40mph and 50mph. The gate and locking pin are powered by a hydraulic drive unit for consistent and controlled motion, which ensures smooth and quiet operation in both directions. Typically operating in 8-9 seconds plus 3 seconds for the locking pin.

All gates achieved the low penetration with shallow foundations. As a safety precaution, a light curtain, CAT 3 safety edges and an emergency stop button are fitted as standard. Together, these safety devices reduce the risk of entrapments, crushing and shearing, ensuring compliance with British Standards.

In the event of a power cut or fault, the gate can be manually operated. The gate has a powerful PLC with built in diagnostics and programmable inputs and outputs that can provide numerous options depending on client requirements.

Key Features

- Three versions tested at either 40 or 50 mph
- Up to 8m clear opening at 40mph
- Trackless
- Smooth and quiet

Accreditations

Single Leaf (40mph): PAS68:2010
V/7500(N2)/64/90:0.8/0.0

Single Leaf (40mph): PAS68:2010
V/7500(N3)/80/90:0.7/0.0

Double Leaf (50mph): IWA14-1:2013
V/7200(N2A)/64/90:1.4



Specifications

Material	Power	Standard Foundation Depth	Operating Speed	Opening
Mild steel, Shot-blasted, primed, and finished with a C4 protective paint coating.	240Volt 60Hz 16Amp	380mm (for both versions)	8-12 seconds (+3 for locking pin)	S/L 4.2m D/L 8m

Classifications

Product	Vehicle Weight	Vehicle Type	Test Speed (Kph)	Impact Angle (°c)	Penetration (m)	Debris (m)
FoldGuard RCS Single Leaf (40mph): V/7500(N2)/64/90:0.8/0.0	7,500	N2	64	90	0.8	0
FoldGuard RCS Single Leaf (50mph): V/7500(N3)/80/90:0.7/0.0	7,500	N3	80	90	0.7	0
FoldGuard RCS Double Leaf (40mph): V/7200(N2A)/64/90:1.4	7,200	N2A	64	90	1.4	

Configuration	Speed	Max Opening	Max Height	Vehicle Weight	Security Rating Classification
Single Leaf	40mph	4.2m	3m	7.5t	PAS68:2010 V/7500(N2)/64/90:0.8/0.0
Double Leaf	40mph	8m	3m	7.5t	PAS68:2010 V/7500(N3)/80/90:0.7/0.0
Double Leaf	50mph	4.2m	3m	7.5t	IWA14-1:2013 V/7200(N2A)/64/90:1.4