



**DYNOFORCE**  
Protecting Assets

# DF-SG-50-P1

K12 CRASH RATED SWING GATE

## PRODUCT OVERVIEW

Dynoforce DF-SG-50-P1 K12 Crash-Rated Swing Gate is a high-security vehicle access control solution designed to prevent unauthorized vehicular intrusion and safeguard critical infrastructure. Designed to withstand extreme impact forces, the gate provides robust perimeter protection for high-risk and sensitive sites. The system is crash-tested and certified to IWA 14-2 (2013) standards with zero penetration, and has been independently tested by ARAI. It is capable of stopping a 7.5-ton vehicle traveling at 80 km/h (50 mph), demonstrating exceptional impact resistance and structural integrity.



## APPLICATIONS

- ★ Data Centres & Critical Infrastructure
- ★ Military Zones & Defence Bases
- ★ Government Installations & Embassies
- ★ Airports, Ports & High-Security Facilities
- ★ Financial Districts & Corporate Hqs
- ★ High-Value Commercial & Corporate Campuses
- ★ Nuclear Power Plants & Strategic Utilities

## KEY TECHNICAL PARAMETERS



PARAMETER	SPECIFICATION
Product Name	DF-SG-50-P1
Height	3000mm
Foundation Depth	630mm for Gate base frame and 2255mm for gate locking Pin
Clear Opening	6000mm
Construction	Manufactured from high strength steel sections and consisting of Locking pin to lock the gate. Infill: typically, vertical robust SHS; options include alternative bar configurations, and mesh Options for additional toppings are available, for an added layer of security.
Crash Rating	K12 (7.2T @ 80 km/h)
Test Standard	IWA 14-2:2013 [ARAI] Gate D/7200[N2B]/80/90:0.0
Drive	Operational usage: 100% duty cycle Hydraulic drive: Hydraulic motor Hydraulic pack: Available separately in an IP rated enclosure. Includes hand pump for manual operation.
Control	In-house manufactured enhanced drive unit PLC-based control system Electrical controls housed in separate IP rated enclosure
Finishes Available	Cold Galvanized with customized painted finish.
Safety	All gate systems include photo beam between posts; additional beams can be added for extra protection to stop gate on obstruction Vehicle detection loop systems recommended for all installations.
Optional Extras	Battery Back Up   Remote Fault Logging   Multiple Access Control Options   Safety edge system