



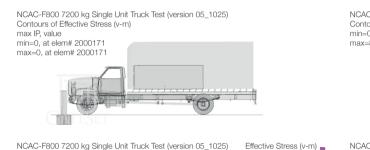


FIXED BOLLARD BARRIERS GFB9000Series

GateSet GFB9000 Series High Impact Resistant Static Bollards are designed to provide maximum perimeter security to protect sensitive areas. The product has already proven its durability and stopping power through computer aided element analysis tests, providing compliance to IWA14-1:2013 / PAS68 / ASTM M50 standards at P1 level with N3C vehicle. Manufactured from heavy gauge steel, GateSet GFB9000 Series Static Bollards provide solid protection with its design; engineered to withstand extreme forces by destroying front suspension system of the hostile vehicle and preventing intended penetration into the restricted area. With embedded foundation and concrete filled structure, GFB9000 Series Bollards are suitable for any sensitive site with city infrastructure below.

GFB9000Datasheet v.2.0

Crash Analysis Screens*



Effective Stress (v-m) 500.00 455.00 NCAC-F800 7200 kg Single Unit Truck Test (version 05_1025) Contours of Effective Stress (v-m) max IP, value min=0, at elem# 2001040 max=1866,48, at elem# 2036864 410.00_ 365.00_ 320.00_ 275.00_ 230.00 185.00 140.00 95.00

NCAC-F800 7200 kg Single Unit Truck Test (version 05_1025) Resultant Displacement Contours of Resultant Displacement 84.min=0, at node# 2302072 76.23 max=84.6961, at node# 2138776 0.00 NCAC-F800 7200 kg Single Unit Truck Test (version 05_1025) Contours of Effective Stress (v-m) Effective Stress (v-m) 5,000e+02 4,550e+02 max IP, value min=1.98962, at elem# 2124058 max=707.94, at elem# 2111416 4,100e+02_ 3,650e+02_ 3,200e+02_ 2,750e+02_ 2.300e+02 1,850e+02 1,400e+02 9,500e+01 5,000e+01

* Detailed report of Computer Aided Finite Elements Crash Analysis is available on demand

Usage Areas

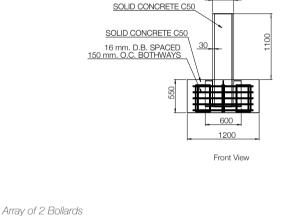
Access Control

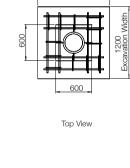
Military Sites Government Offices Police Headquarters Research Centers Embassies **Airports** Industrial Areas

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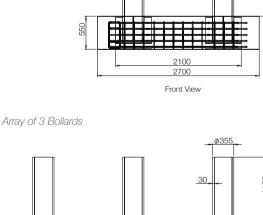
Drawings and Dimensions

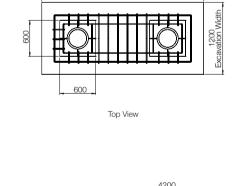
Single Bollard

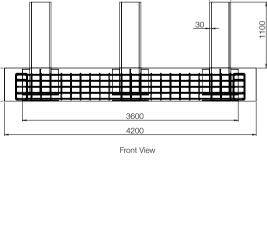


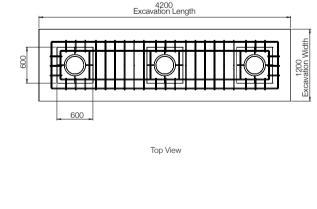


1200 Excavation Length









Technical Specifications

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CORE BOLLARD DIAMETER 355 mm 1100 mm OBSTACLE HEIGHT 1552 mm TOTAL BOLLARD HEIGHT

CORE THICKNESS FOUNDATION DIMENSIONS **FLANGE** CYLINDER MATERIAL IMPACT RESISTANCE BOLLARD FINISHING CERTIFICATION WARRANTY

30 mm Steel Core (to be filled with C70 Concrete) 1200 mm x 1200 mm x 550 mm (WxLxH) (For single bollard) 12 mm Thick ST52 Steel Plate with Gussets ST52 Steel

7,200 kg at 80 km/h (IWA14-1 / K12 / PAS68 Equivalent) Anti-corrosive Coating with Two Component Surface Tolerant Epoxy Mastic (Jotamastic). Different RAL Colors Available on Demand ISO 9001:2015 2 Years





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www.gateset.com.tr

ACCESS CONTROL SOLUTIONS TURNSTILES BARRIERS ID SYSTEMS