

Automatic security bollards

with built-in hydraulic pump

RB C50



RB C50_800 (ex RB80)

Impact resistance: 250.000 joules

Height: 800 mm

Width/Thickness: Ø 275/6 mm



RB C50_600 (ex RB60)

Impact resistance: 250.000 joules

Height: 600 mm

Width/Thickness: Ø 275/6 mm

RB C60



RB C60_800

Impact resistance: 400.000 joules

Height: 800 mm

Width/Thickness: Ø 275/10 mm



RB C60_600

Impact resistance: 400.000 joules

Height: 600 mm

Width/Thickness: Ø 275/10 mm

Automatic high-security bollards

with built-in hydraulic pump

HIGH SECURITY

RB M30



RB M30_700 (ex RB70S)

Impact resistance: 700.000 joules
Height: 700 mm
Width/Thickness: Ø 275/10 mm



RB M30_900 (ex RB90S)

Impact resistance: 700.000 joules
Height: 900 mm
Width/Thickness: Ø 275/10 mm
Crash-test:
IWA 14-1: 2013 V/7200(N3C)/48/90:1.0
PAS68:2013 V/7500(N3)/48/90:1.0/2.5
Also available as RB M40



RB M30_1200

Impact resistance: 700.000 joules
Height: 1200 mm
Width/Thickness: Ø 275/15 mm
Crash-test:
ASTM: M30/P1
Also available as RB M40

RB M50



RB M50_900 (ex RB90HS)

Impact resistance: 1.800.000 joules
Height: 900 mm
Width/Thickness: Ø 275/25 mm
Crash-test:
DOS: K12/L1



RB M50_1200 (ex RB120HS)

Impact resistance: 1.800.000 joules
Height: 1200 mm
Width/Thickness: Ø 275/25 mm
Crash-test:
PAS68:2013 V/7500(N3)/80/90:1.4/8.0
ASTM: M50/P3

Fixed security bollards

fixed into the ground or unscrewable

FB C50/C60

FIXED INTO
THE GROUND



FB C50_800

Impact resistance: 250.000 joules
Height: 800 mm
Shallow mounted
Width/Thickness: Ø 275/6 mm
Fixed into the ground



FB C50_600

Impact resistance: 250.000 joules
Height: 600 mm
Shallow mounted
Width/Thickness: Ø 275/6 mm
Fixed into the ground



FB C50_500

Impact resistance: 250.000 joules
Height: 500 mm
Shallow mounted
Width/Thickness: Ø 275/6 mm
Fixed into the ground

FB C60_800

Impact resistance: 400.000 joules
Height: 800 mm
Shallow mounted
Width/Thickness: Ø 275/10 mm
Fixed into the ground

FB C60_600

Impact resistance: 400.000 joules
Height: 600 mm
Shallow mounted
Width/Thickness: Ø 275/10 mm
Fixed into the ground

FB C50

UNSCREWABLE



FB C50UN_800 (ex FB80)

Impact resistance: 250.000 joules
Height: 800 mm
Shallow mounted
Width/Thickness: Ø 275/6 mm
Unscrewable with counterframe



FB C50UN_600 (ex FB60)

Impact resistance: 250.000 joules
Height: 600 mm
Shallow mounted
Width/Thickness: Ø 275/6 mm
Unscrewable with counterframe



FB C50UN_500 (ex FB50)

Impact resistance: 250.000 joules
Height: 500 mm
Shallow mounted
Width/Thickness: Ø 275/6 mm
Unscrewable with counterframe

Fixed high-security bollards

HIGH SECURITY

FB M30



FB M30UN_700 (ex FB70S)

Impact resistance:
700.000 joules
Height: 700 mm
Width/Thickness:
Ø 275/10 mm
Unscrewable with
counterframe



FB M30_700

Impact resistance:
700.000 joules
Height: 700 mm
Shallow mounted
Width/Thickness:
Ø 275/10 mm
Fixed into the ground



FB M30_900 (ex FB90S)

Impact resistance:
700.000 joules
Height: 900 mm
Shallow mounted
Width/Thickness:
Ø 275/10 mm
Fixed into the ground
Also available as FB M40



FB M30_1200

Impact resistance:
700.000 joules
Height: 1200 mm
Shallow mounted
Width/Thickness:
Ø 275/15 mm
Fixed into the ground
Also available as FB M40

FB M50



FB M50_900 (ex FB90HS)

Impact resistance: 1.800.000 joules
Height: 900 mm
Shallow mounted
Width/Thickness: Ø 275/25 mm
Fixed into the ground



FB M50_1200 (ex FB120HS)

Impact resistance: 1.800.000 joules
Height: 1200 mm
Shallow mounted
Width/Thickness: Ø 275/25 mm
Fixed into the ground

Other bollards

automatic, semi-automatic or removable



RB EM_600

Automatic Rising/ Lowering
Electromechanical activator
Height : 600 mm
Width/Thickness : Ø 275/4 mm



MB_500 (ex MB 50)

Semi-automatic bollard
Gas-embedded activator
Height : 500 mm
Width/Thickness : Ø 275/6 mm



FR_600

Fixed removable bollard
Height : 600 mm
Width/Thickness : Ø 275/5 mm



FR M30_700 & FR M30_900

Fixed removable bollards
Impact resistance 700.000 joules
Heights : 700 mm & 900 mm
Width/Thickness : Ø 275/10 mm