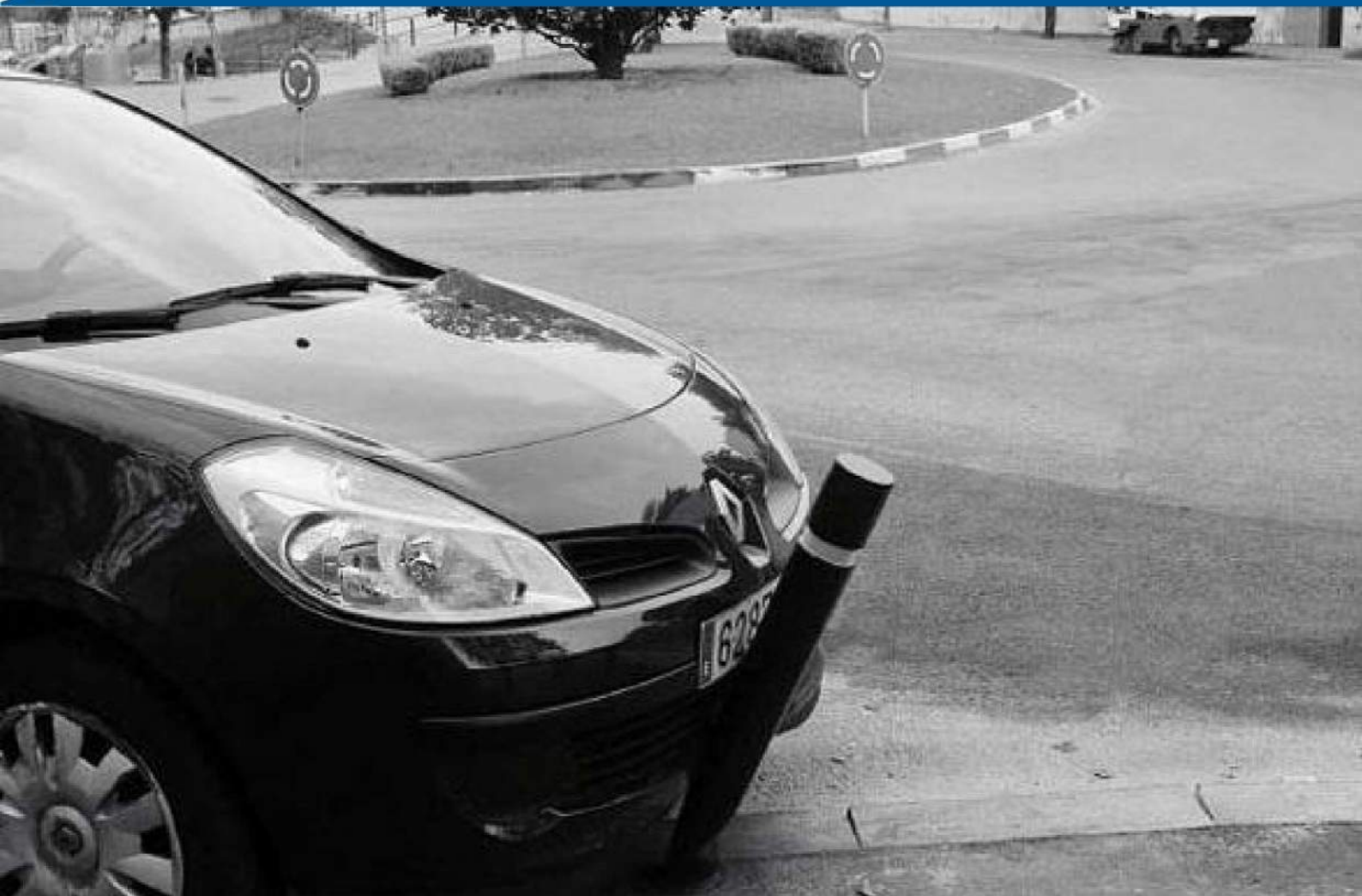


ONTARIO **BOLLARDS**

TOTAL PROTECTION SPECIALISTS

FRB Series

Flexible Rigid Bollards



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Flexible Rigid Bollards



Utilización Utilization Utilisation

Zonas con tráfico peatonal o de vehículos

Zones with pedestrian traffic or vehicles

Zones piétonnières ou de circulation de véhicules

Protección Protection Protection

Resistencia al fuego: CLASE E. Según norma UNE-EN-ISO 11925-2:2002. Certificado por APPLUS para su uso como pizona/bolardo en la calle.

Fire resistance: CLASS E. As per UNE-EN-ISO 11925-2:2002. Certified by APPLUS for use as per bollard in the street.

Résistance au feu: CLASE E. Selon norme UNE-EN-ISO 11925-2:2002. Certifié par APPLUS pour un usage comme potelet dans les rues.

Resistencia al frío: Material certificado por APPLUS según norma UNE-53541.

Cold resistance: Material certified by APPLUS for use as per bollard in the street.

Résistance au froid: Matériel certifié par APPLUS selon la norme UNE-53541.

Resistencia al Impacto: Ensayo de 50 impactos, flexionando la pizona 90°, simulando un vehículo de 1.500 kg a 15 Km/h.

Impact resistance: Test of 50 impacts, bending the bollard through 90°, simulating a 1.500 kg vehicle impact at 15 Km/h.

Résistance aux impacts: Test de 50 impacts, pliant le potelet à 90°, simulant un véhicule de 1.500 kg à 15 Km/h.

Resistencia a la fatiga: Ensayo de 500 impactos flexionando la pizona 45°, en intervalos de 30 segundos.

Fatigue Resistance: Test of 500 impacts, bending the bollard through 45° at intervals of 30 seconds.

Résistance à la fatigue: Test de 500 impacts, pliant le potelet à 45° à intervalles de 30 secondes.

Recubrimiento superficial resistente al UV.

UV resistant Surface coating.

Revêtement de surface résistant aux UV.

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FRB Series

Flexible Rebound Bollards

This truly unique, Flexible Rigid Bollard (FRB) is designed to outwardly look like a standard bollard, however when a force is applied to it special compounds in the polyurethane will deform allowing the bollard to bend up to 90 degrees. In fact, the whole bollard can be run over and will self right in a matter of seconds. All this with little or no damage to itself and minimal or no damage to vehicles.

The FRB range is offered with traditional or contemporary styling and a wide choice of colours (black is standard color) with a base material of the same colour meaning minimal or no maintenance is required. This product is ideal for areas where vehicles come into contact with bollards marked for demarcation of traffic and either obstacles or pedestrians.

For extra security (such as outside store fronts) a steel core filled with concrete can be added giving ram raid resistance to sensitive areas whilst retaining the material properties and aesthetics of the standard more flexible bollard elsewhere on your development. This product is ideal for the following areas of use:

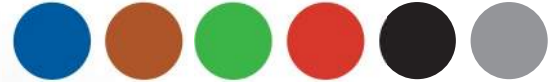
Supermarket Car Parks
Ports, for vehicle holding areas
Industrial Estates
Town Centres
Bus depots and Bus Stations
Park and Ride Sites

Airports, both air-side and non air-side
Roadside junction demarcation
Retail Parks
Cycle Lanes
Train Station Car Parks and Drop off Points
Theme Parks and Visitor Attractions



Colores
Colour
Couleurs

Gama RAL
RAL range
Gamme RAL



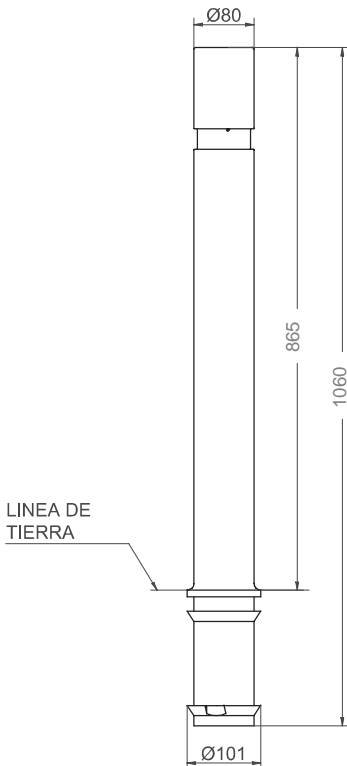
Ejemplos / Exemples / Examples

Disponible en cualquier color
RAL pintado al horno (bajo demanda)
Available in any RAL oven-enamelled
color (under demand)

Disponible avec toutes les couleurs
peintes au four (sur demande)



Medidas
Measures
Mesures



Datos técnicos
Technical data
Spécifications

Peso
Weight
Poids 2,8 kg

Estabilidad térmica
Thermal stability
Stabilité thermique +/- 10 SHORE D

Material
Material
Matériel Blendtec

Temperatura de uso
Working temperature
température d'usage -20°C / + 60°C

Compatible con sistema extraíble
Compatibility with removable system
Compatible avec le système amovible

Incorpora banda reflectante o imitación inoxidable
It incorporates reflectance band or imitation steel
Il incorpore bande réfléchissante ou imitation inox

Personalización con escudo de ciudad
Customization with shield of city
Personnalisation avec le logo de la ville

FRB100

Ref. 98.PF.10.V2

Pilonas
blendtec fijas

Blendtec
fixed bollards

Potelets
blendtec fixes

Colores Colour Couleurs

Gama RAL
RAL range
Gamme RAL



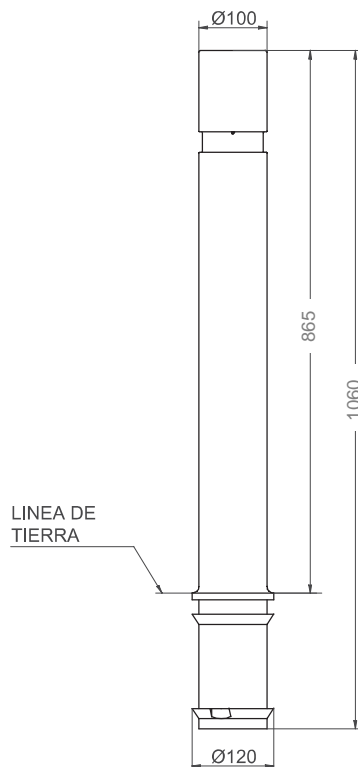
Ejemplos / Exemples / Examples

Disponible en cualquier color
RAL pintado al horno (bajo demanda)
Available in any RAL oven-enamelled
color (under demand)

Disponible avec toutes les couleurs
peintes au four (sur demande)



Medidas Measures Mesures



Datos técnicos Technical data Spécifications

Peso
Weight
Poids

2,8 kg

Estabilidad térmica
Thermal stability
Stabilité thermique

+/- 10 SHORE D

Material
Material
Matériel

Blendtec

Temperatura de uso
Working temperature
température d'usage

-20°C / + 60°C

Compatible con sistema extraíble
Compatibility with removable system
Compatible avec le système amovible

Incorpora banda reflectante o imitación inoxidable
It incorporates reflectance band or imitation steel
Il incorpore bande réfléchissante ou imitation inox

Personalización con escudo de ciudad
Customization with shield of city
Personnalisation avec le logo de la ville



Removable Base
Mount for 100mm
bollards

FRB100FB

Ref. 98.PF.203

Pilonas
blendtec fijas

Blendtec
fixed bollards

Potelets
blendtec fixes

Colores Colour Couleurs

Gama RAL
RAL range
Gamme RAL



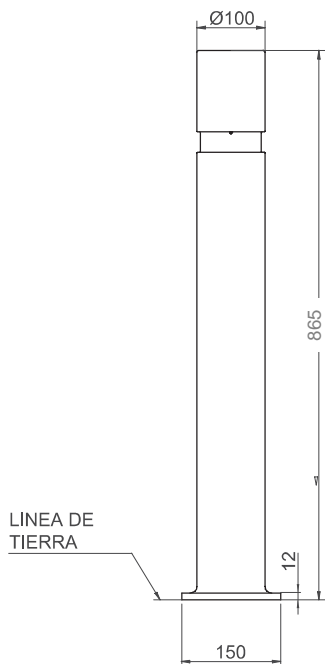
Ejemplos / Exemples / Examples

Disponibile en cualquier color
RAL pintado al horno (bajo demanda)
Available in any RAL oven-enamelled
color (under demand)

Disponibile avec toutes les couleurs
peintes au four (sur demande)



Medidas Measures Mesures



Datos técnicos Technical data Spécifications

Peso Weight Poids	2,9 kg
Estabilidad térmica Thermal stability Stabilité thermique	+/- 10 SHORE D
Material Material Matériel	Blendtec
Temperatura de uso Working temperature température d'usage	-20°C / + 60°C

Incorpora banda reflectante o imitación inoxidable
It incorporates reflectance band or imitation steel
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Personalización con escudo de ciudad
Customization with shield of city
Personnalisation avec le logo de la ville

ONTARIO
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