



Anti-ram vehicles fixed steel bollard, 1000 mm high, \varnothing 160 mm



- ▶ Bollard certified by crash test
- ▶ Ensures a high level of safety with a discreet format that preserves the aesthetics of sites
- ▶ Only 25 cm of sealing in shallow version

SERVICES URBAN SECURED SITES

CRASH TEST



- Crash test-certified resistance: can stop vehicles weighing 3.5T and launched at 50 km/h, without damage and functional bollard after the collision
- Speed : 50 km/h
- Weight : 3 T 500
- Kinetic energy : 337 000 joules
- Penetration : 0

- Speed : 50 km/h
- Weight : 7 T 500
- Kinetic energy : 723 000 joules
- Penetration : 0

Resistance (joules)

723,000

Paint / finish

RAL 7016 / powder coating on steel sleeve

Measurements (H- \varnothing)

1,000 - 160 mm

MAIN CHARACTERISTICS

- **Fixed steel bollard, \varnothing 16 cm, 100 cm high**
- **Available with a shallow sealing depth option and the traditional sealing option**

TECHNICAL CHARACTERISTICS

- High-strength steel cylinder, very thick
- Anti-corrosion treatment by hot dip galvanizing
- Steel sleeve with specific RAL colour
- Slings system integrated in the bollard
- Adjustment legs to upgrade the bollards

ALEF16-100-C50

OPTIONS

Visibility

- Reflective stripes
- LEDS solar stud on top of the bollard

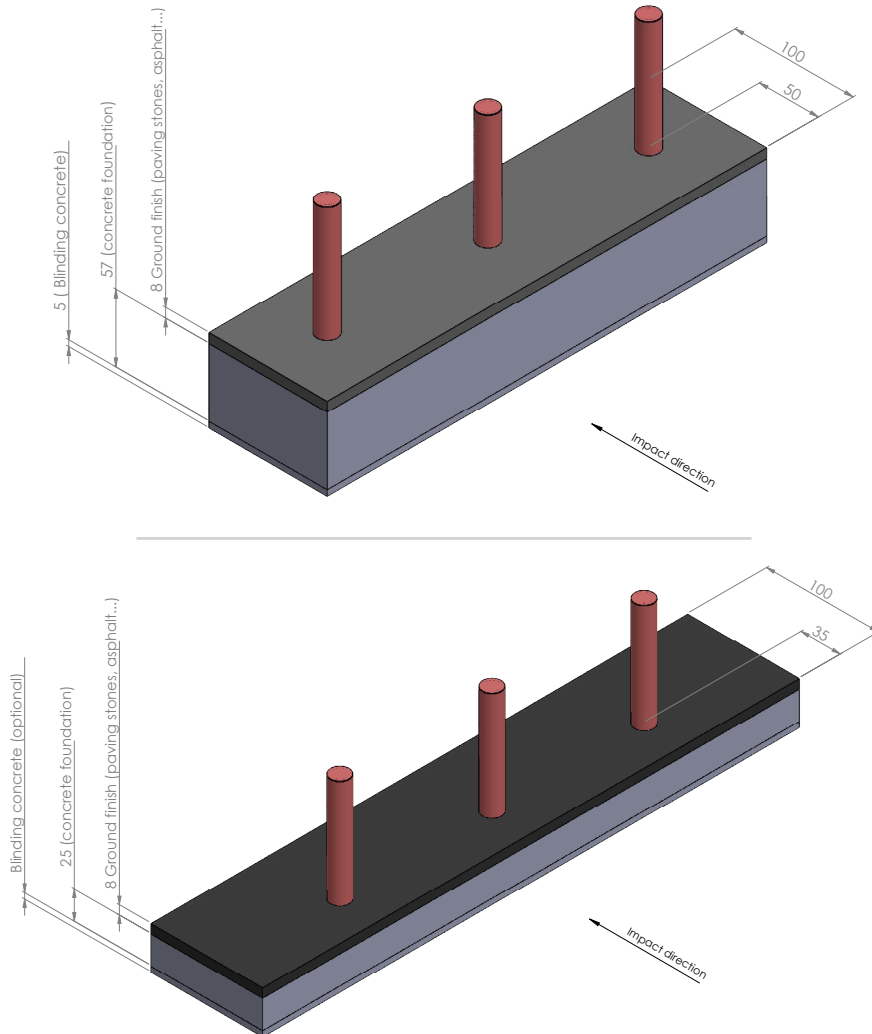
Installation

Shallow depth sealing

Customization

- Specific RAL colour

INSTALLATION



CRASH TEST



Crash test carried out by an independent COFRAC approved control body (French Accreditation Committee)