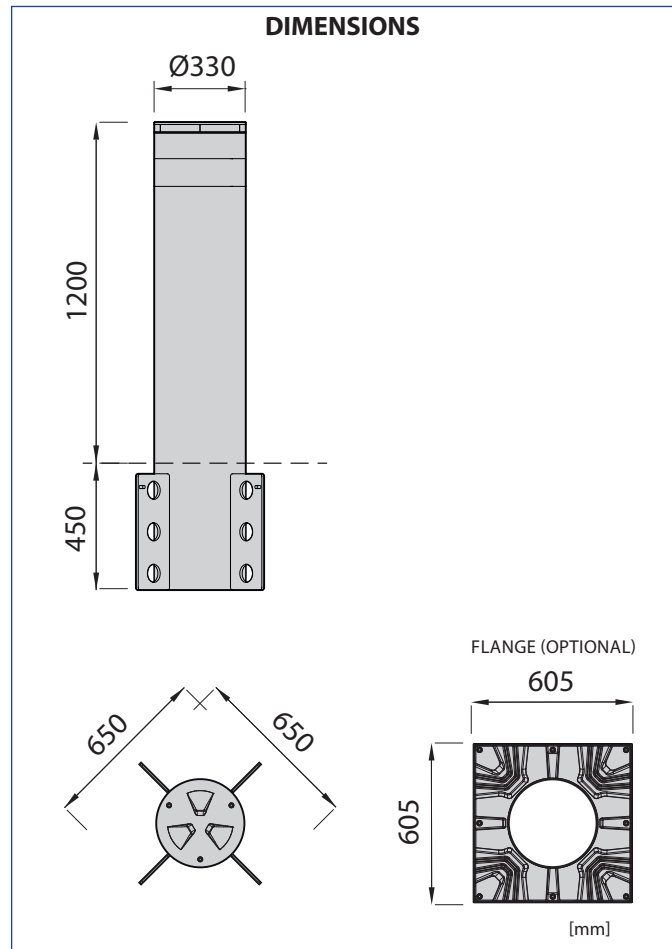


PRODUCT DATASHEET

OAK 1200.12-F

Fixed high security bollard

For anti-terrorism and high-security applications. High resistance structure based on the automatic version design which has been certified by accredited laboratory following IWA-14 and PAS68:2010 with rating 7500/80/N3C, comparable to ASTM2656:2007 M50. Twin installation. Available with or without flange.



- **High resistance fixed bollard for anti-terrorism and high-security applications (twin installation)**
- Main tube dimensions (above ground): **Ø324 x h.1 200 x th. 14 mm**
- Break-in resistance: **2 100 000 J (twin installation)**
- Impact resistance: **350 000 J (twin installation)**
- Available with or without flange
- Flange dimensions (optional): **605 x 605 mm**
- Main tube material: painted steel
- Customizable adhesive reflective H100 film (optional)

REFERENCE STANDARDS

IWA-14 and PAS68:2010 with rating 7500/80/N3C, comparable to ASTM2656:2007 M50

TECHNICAL-ENVIRONMENTAL MAIN FEATURES

Tube height	Ø324 x 1 200 (± 3 mm) x th. 14 mm, steel S 355 JR
Buried structure	650 x 650 x h. 450 mm
Foundation	Reinforced concrete. Rebar (not supplied) dimensions: 1 600 x 3 350 ⁽¹⁾ x h. 500 mm (twin installation)
Break-in resistance	2 100 000 J (twin installation)
Impact resistance	350 000 J (twin installation)
Treatment	Cataphoresis and coating RAL7031 standard, other colour on request
Passive visibility	Reflective film customizable (optional)
Top cover	Steel, cataphoresis and coating RAL7031 standard, other colour on request
Flange (optional)	Cast iron, cataphoresis black, 605 x 605 mm
Net weight, version without flange	200 kg
Gross weight, version without flange	245 kg
Net weight, version with flange	223 kg
Gross weight, version with flange	268 kg

⁽¹⁾ 1200mm between near faces of the bollards, according to PAS69:2010.

ELECTRICAL FEATURES FOR LIGHT CAP VERSION (OPTIONAL)

Power	KIT PS 12 Vac ±10%, 50-60 Hz
Power consumption	1.5 W for each bollard
Signalling	with high intensity LEDs, selectable colour RED or AMBER

For system composition and installation refer to the regulations in force in the country where the system is being installed.

ITEM SPECIFICATION

Anti-terrorism and high security FIX bollard (K12 equivalent), suitable to protect sensible sites. High resistance structure based on the design used for the automatic version which has been certified by accredited laboratory following IWA-14 and PAS68:2010 with 7500/80/N3C comparable to ASTM2656:2007 M50. Impact energy resistance: 2 100 000 J (twin installation). Above ground main tube dimensions: Ø324xH1 200xth.14 mm. Main tube material and finish: steel S 355 JR, cataphoresis, dust paint. Top cover steel cataphoresis, dust paint. With or without flange versions available.



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