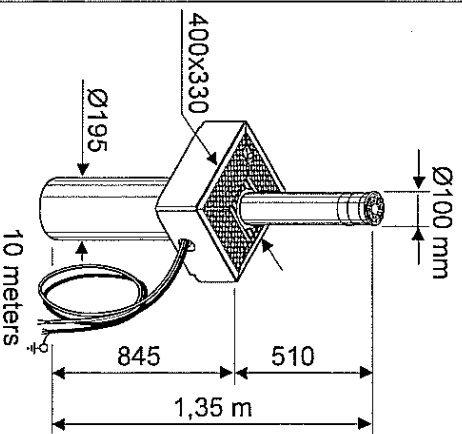
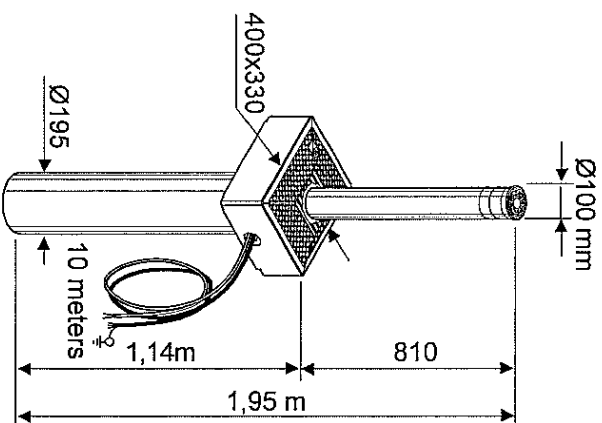
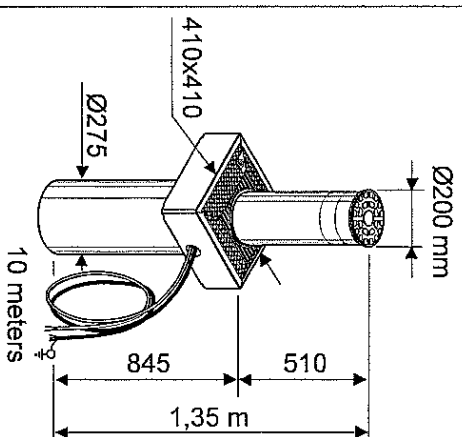




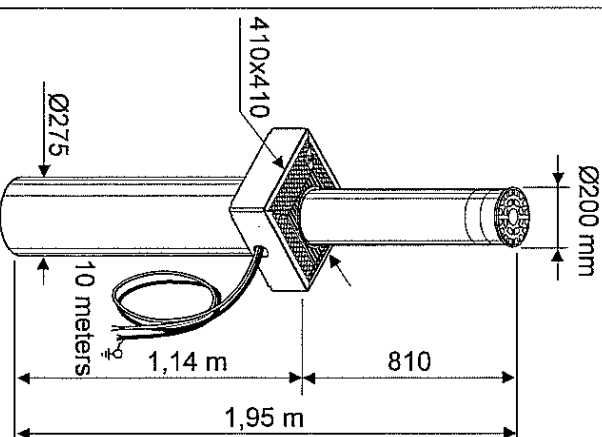
CORAL® 1050
 Ø 100 - Stroke 500mm
 Weight 86kg



CORAL® 1080
 Ø 100 - Stroke 800mm
 Weight 104kg



VIGILO® 2250
 Ø 200 - Stroke 500mm
 Weight 102kg



VIGILO® 2280
 Ø 200 - Stroke 800mm
 Weight 131kg

GB

CORAL®
VIGILO®
 Registered name

Dwg. No. **4356**

RIISING BOLLARDS **CORAL® 1050, CORAL® 1080, VIGILO® 2250 AND VIGILO® 2280**

CE **VEKTOR**

RIISING POSTS CRASH RESISTANCE

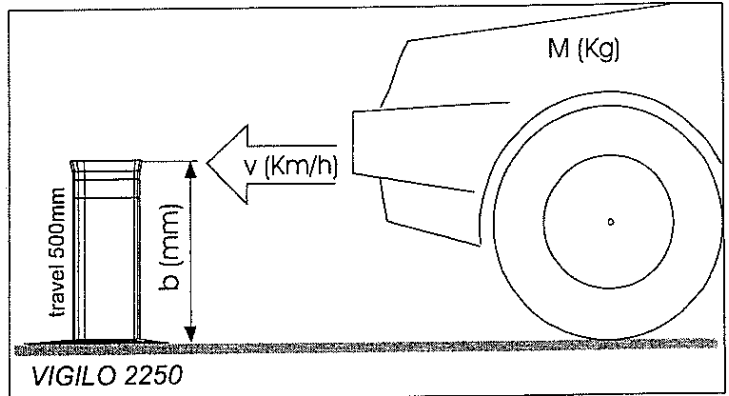
Vigilo 2250 and Vigilo 2280 steel-made cylinder rising posts were conceived to control urban accesses and car parks. Being very compact, they look aesthetically very pleasing to the eye, but have not been designed to have a very high crash resistance. The results below are simply theoretical.

VIGILO 2250

Technical specifications of Vigilo 2250 rising bollard
 Outer diameter.....Ø200mm
 Bollard thickness.....5mm
 Bollard max. travel.....500mm

Maximum crash resistance:

A car impact at 40 Km/h speed creates such a deformation in the post that it must be replaced

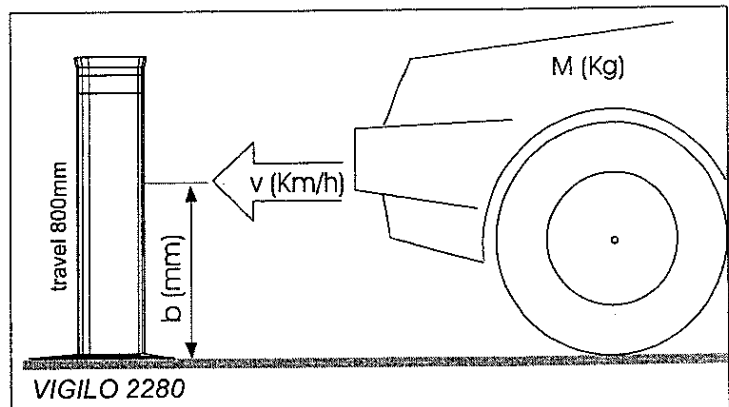


VIGILO 2280

Technical specifications of Vigilo 2280 rising bollard:
 Outer diameter.....Ø 2 0 0 m m
 Bollard thickness.....5mm
 Bollard max. travel.....800mm

Maximum crash resistance:

A car impact at 40 Km/h speed creates such a deformation in the post that it must be replaced



Theoretical crash resistance calculation:

Mass M(Kg)	Speed (Km/h)	Deformation (mm)	Consequences
1000	25	1,5	Vigilo resists, minimum deformation
500	30	1,5	Vigilo resists, minimum deformation
500	40	2	Vigilo resists, Bollard to be replaced
500	50	/	The bollard breaks down completely
1000	50	/	The bollard breaks down completely

NOTE:

- The impact was calculated at 50 cm from ground level to simulate a real circumstance
- In the theoretical calculation mass M is to be considered as non-deformable to impact
- The data stated herewith are the result of simply theoretical calculations applicable only to the Vigilo rising post