

# 275/K4SF 900F



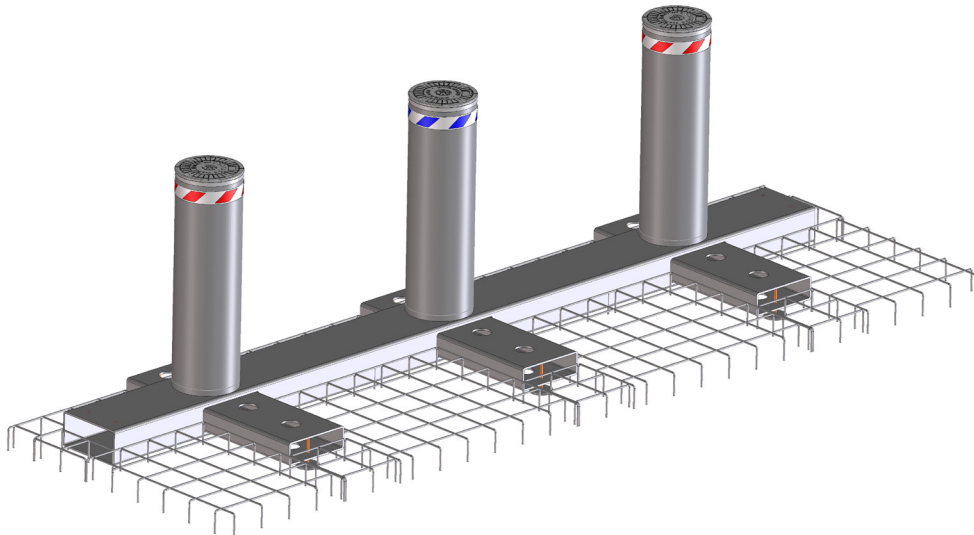
## SHALLOW FOUNDATION FIXED BOLLARD

The fixed 275/K4SF 900F bollards have been designed and built for installations with shallow mounted requirements or in presence of underground utilities. The “SF” (shallow foundation) acronym identifies the slimmest laying depth of the entire range. Current models are the result of our 40 years’ experience in the security field and in excess of 20 years in the specific design and manufacture of bollards.

### GENERAL FEATURES

The fixed 275/K4SF 900F bollards are used to separate and prevent vehicles from breaching the perimeter of the following areas: Research Centres, Embassies, Police Headquarters, Military Bases, Ministerial Buildings Sites in Sensitive Areas. The product is unique since the system can be composed depending on the project requirements. Starting from a single bollard configuration, the product is adaptable to different needs such as corners, curves and slopes.

**CERTIFIED:** PAS68:2013 V/7500(N3)/48/90:7.7  
IWA 14-1 2013: V/7200(N3C)/48/90:7.7  
ASTM F2656/2656M 18a: C730 - P3



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www.pilomat.com / pilomat@pilomat.com  
Via Zanica 17/p, 24050, Grassobbio (BG) Italy  
Tel. +39.035.29.72.20  
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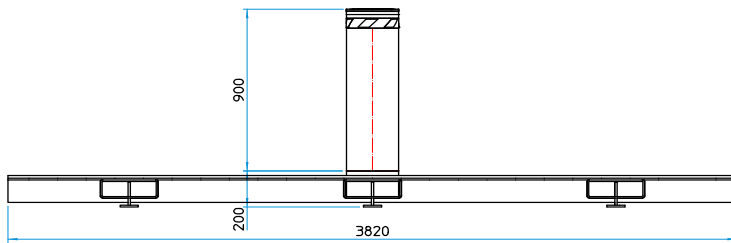
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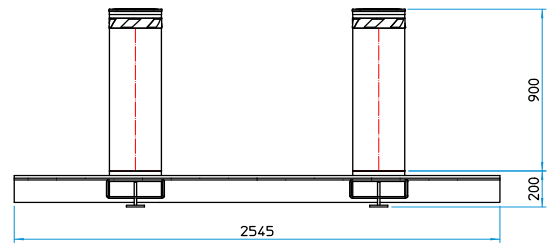
## VERSION A - FOR ROAD IN ASPHALT (FOUNDATION DEPTH 200mm)

FOUNDATION DEPTH	200mm (INCLUDED APPROX. 30mm FOR ROAD SURFACE IN ASPHALT)
MATERIAL CYLINDER	S355JR NORMAL STEEL X5CrNi 18-10 (AISI 304) - X5CrNiMo 17-12-2 (AISI 316) STAINLESS STEEL
CYLINDER DIAMETER	273mm
CYLINDER HEIGHT	900mm
CYLINDER THICKNESS	10mm
SURFACE TREATMENT OF THE STEEL CYLINDER	ANTI-CORROSION TREATMENT - GREY ANTHRACITE STANDARD PAINTING
SURFACE TREATMENT OF THE STAINLESS STEEL CYLINDER	GREY ANTHRACITE STANDARD PAINTING OR BRUSHING
OTHER CYLINDER FINISH	KNURLING ON CYLINDER SURFACE
REFLECTING ADHESIVE STRIP	STANDARD - HEIGHT 55mm
PROTECTION CLASS	IP67
IMPACT RESISTANCE (WITHOUT DEFORMATION)	250.000 J
BREAKOUT RESISTANCE	750.000 J
CONNECTION LINE FOR FLASHING LIGHT (OPTIONAL)	STANDARD 10m ( MAX. 80m)
ANTI-CORROSION TREATMENT "M"	OPTIONAL TO BE ORDERED IN CASE OF INSTALLATION AT LESS THAN 2KM FROM THE SEA TO BE ORDERED IN CASE OF INSTALLATION IN AREAS WHERE SALT IS USED ON THE ROAD TO AVOID ICE FOR AT LEAST 3 MONTHS.

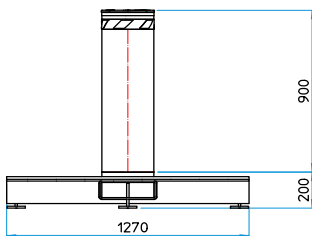
### EXAMPLES OF CONFIGURATION



SF4XX094



SF4XX095



SF4XX096

CODE	AVAILABLE CONFIGURATIONS	DIMENSION
SF4XX091	3 bollards - standard base with 3 slots	1300 x 3820mm
SF4XX092	2 bollards (center - left) - standard base with 3 slots	1300 x 3820mm
SF4XX093	2 bollards (center - right) - standard base with 3 slots	1300 x 3820mm
SF4XX094	1 bollard (center) - standard base with 3 slots	1300 x 3820mm
SF4XX095	2 additional bollards - base with 2 slots	1300 x 2545mm
SF4XX096	1 additional bollard - base with 1 slot	1300 x 1270mm
SF4XX097	3 additional bollards - 90° base with 3 slots	2545 x 2545mm

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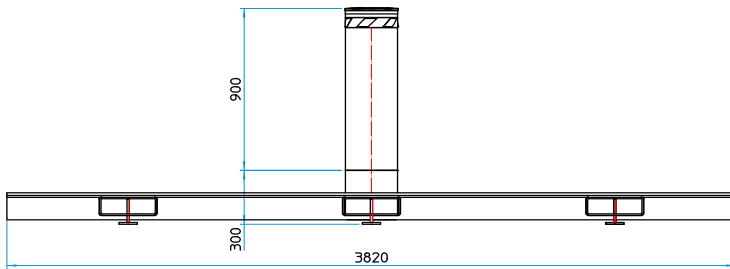
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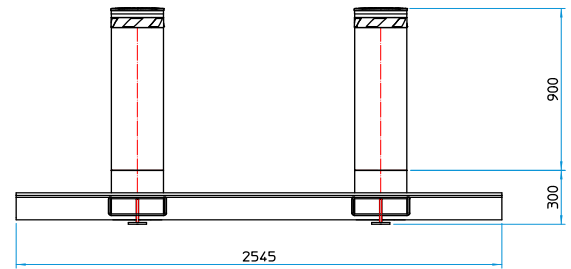
## VERSION B - FOR ROAD IN STONES (FOUNDATION DEPTH 300mm)

FOUNDATION DEPTH	300mm (INCLUDED APPROX. 130mm FOR ROAD SURFACE IN STONES OR SIMILAR)
MATERIAL CYLINDER	S355JR NORMAL STEEL X5CrNi 18-10 (AISI 304) - X5CrNiMo 17-12-2 (AISI 316) STAINLESS STEEL
CYLINDER DIAMETER	273mm
CYLINDER HEIGHT	900mm
CYLINDER THICKNESS	10mm
SURFACE TREATMENT OF THE STEEL CYLINDER	ANTI-CORROSION TREATMENT - GREY ANTHRACITE STANDARD PAINTING
SURFACE TREATMENT OF THE STAINLESS STEEL CYLINDER	GREY ANTHRACITE STANDARD PAINTING OR BRUSHING
OTHER CYLINDER FINISH	KNURLING ON CYLINDER SURFACE
REFLECTING ADHESIVE STRIP	STANDARD - HEIGHT 55mm
PROTECTION CLASS	IP67
IMPACT RESISTANCE (WITHOUT DEFORMATION)	250.000 J
BREAKOUT RESISTANCE	750.000 J
CONNECTION LINE FOR FLASHING LIGHT (OPTIONAL)	STANDARD 10m ( MAX. 80m)
ANTI-CORROSION TREATMENT "M"	OPTIONAL TO BE ORDERED IN CASE OF INSTALLATION AT LESS THAN 2KM FROM THE SEA TO BE ORDERED IN CASE OF INSTALLATION IN AREAS WHERE SALT IS USED ON THE ROAD TO AVOID ICE FOR AT LEAST 3 MONTHS.

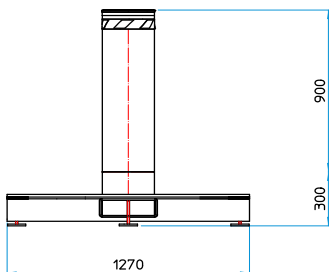
### EXAMPLES OF CONFIGURATION



SF4XX104



SF4XX105



SF4XX106

CODE	AVAILABLE CONFIGURATIONS	DIMENSION
SF4XX101	3 bollards - standard base with 3 slots	1300 x 3820mm
SF4XX102	2 bollards (center - left) - standard base with 3 slots	1300 x 3820mm
SF4XX103	2 bollards (center - right) - standard base with 3 slots	1300 x 3820mm
SF4XX104	1 bollard (center) - standard base with 3 slots	1300 x 3820mm
SF4XX105	2 additional bollards - base with 2 slots	1300 x 2545mm
SF4XX106	1 additional bollard - base with 1 slot	1300 x 1270mm
SF4XX107	3 additional bollards - 90° base with 3 slots	2545 x 2545mm

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## AVAILABLE ITEMS

BOLLARD 275/K4SF 900F IN NORMAL STEEL PAINTED

BOLLARD 275/K4SF 900F IN STAINLESS STEEL PAINTED

BOLLARD 275/K4SF 900F IN STAINLESS STEEL BRUSHED

LINEAR JUNCTION BRACKET FOR BASEMENT PLACED ON FLAT AREA - FIXING SCREWS

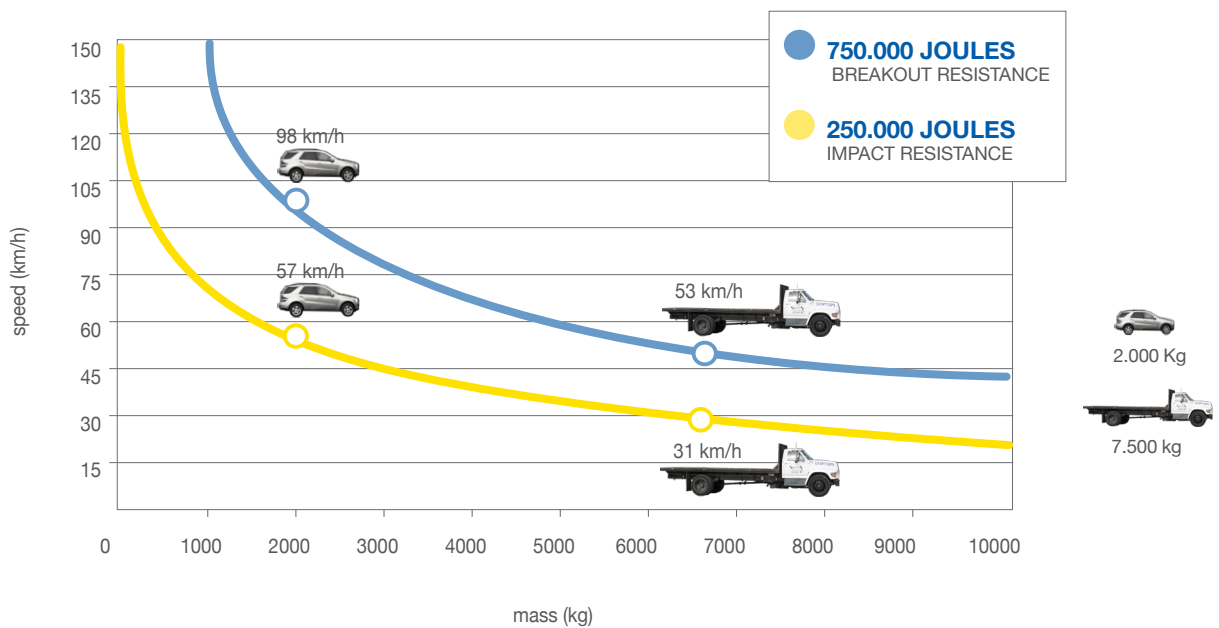
30° ANGULAR JUNCTION BRACKET FOR BASEMENT PLACED ON FLAT AREA - FIXING SCREWS

45° ANGULAR JUNCTION BRACKET FOR BASEMENT PLACED ON A FLAT AREA - FIXING SCREWS

LINEAR JUNCTION BRACKET FOR BASEMENT PLACED ON SLOPE AREA - FIXING SCREWS

30° ANGULAR JUNCTION BRACKET FOR BASEMENT PLACED ON SLOPE AREA - FIXING SCREWS

45° ANGULAR JUNCTION BRACKET FOR BASEMENT PLACED ON SLOPE AREA - FIXING SCREWS



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