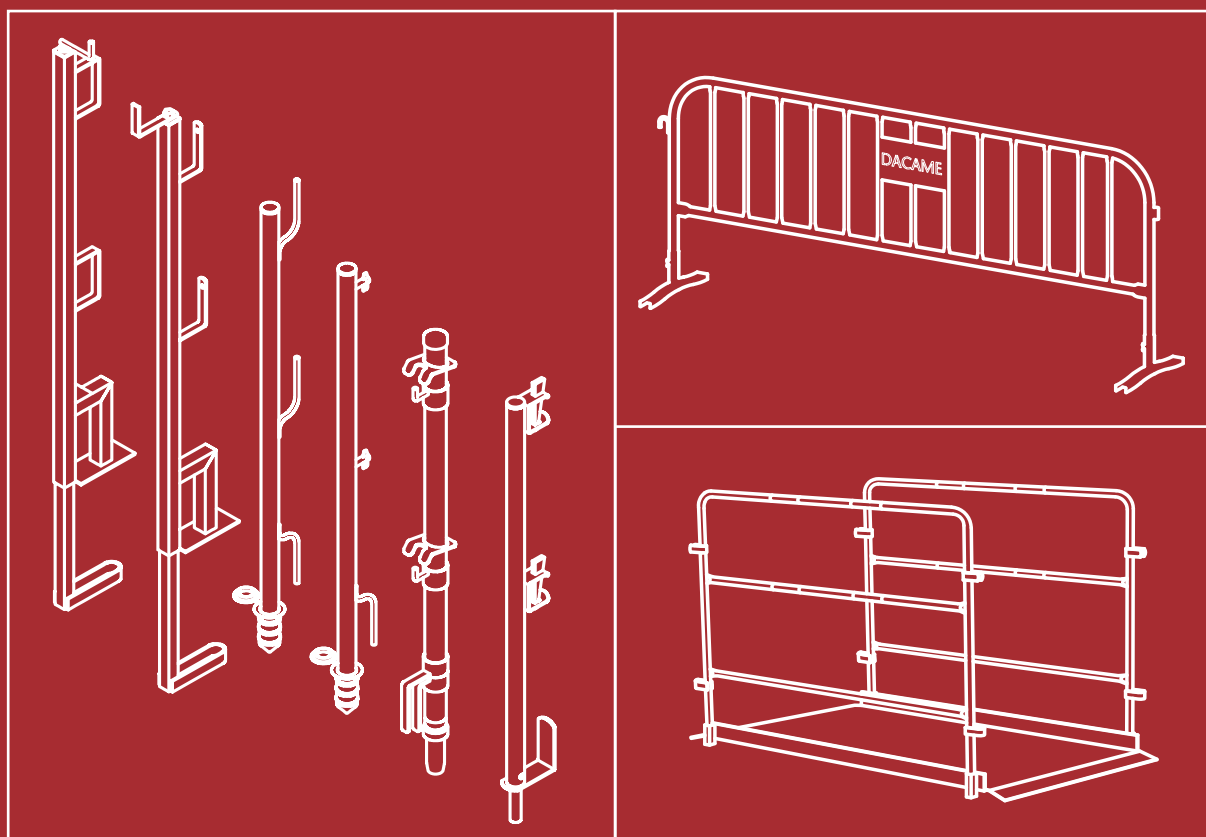


# Edge protection **SAFETY**



# SAFETY

**DACAME** products ensure benefits that allow you to always work safely and guarantee compliance with the highest quality standards in the market.

The ISO 9001 Quality Management system has been implemented covering each of our company's processes, ranging from product design to raw material purchasing and manufacture, as well as commercial and distribution management.

**DACAME** provides a comprehensive service that includes personalised technical advice, tailor-made solutions and the distribution, review and maintenance of products.



CERTIFICATE  
ISO 9001

## LEGEND

### PRODUCT FINISHING

- GA** Hot-dip galvanised.  
Coating thickness according to EN ISO 1461:2010.
- SM** Continuous hot-dip galvanised.  
Sendzimir.
- ZN** Electrolytic cold-dip galvanised.  
Zinc-coated.
- PT** Paint suitable for use on exteriors.

### RAW MATERIAL FOR MANUFACTURE

- Rectangular tube
- Square tube
- Round tube
- Sheet or plate
- Rod

## BLUE-HEADED TABLES












NOMENCLATURE	DESCRIPTION	UNIT OF MEASUREMENT
<b>COMPONENT</b>	Name and description of the component	-
<b>kg (max.)</b>	Maximum capacity in kilograms	kilogram
<b>WEIGHT (kg)</b>	Total weight of the component	kilogram
<b>REFERENCE</b>	Component reference no.	-

## WHITE-HEADED TABLES

NOMENCLATURE	DESCRIPTION	UNIT OF MEASUREMENT
<b>A</b>	Measure of length	Millimetre
<b>B</b>	Measure of length	Millimetre
<b>a</b>	Measure of length	Millimetre
<b>b</b>	Measure of length	Millimetre
<b>N</b>	Number of components	Unit
<b>MIN O</b>	Minimum opening	Millimetre
<b>MAX O</b>	Maximum opening	Millimetre
<b>MIN H</b>	Minimum height	Millimetre
<b>MAX H</b>	Maximum height	Millimetre
<b>WORK H</b>	Working height	Millimetre
<b>MIN L</b>	Minimum length	Millimetre
<b>MAX L</b>	Maximum length	Millimetre
<b>α</b>	Angle of inclination	Degrees
<b>Ø</b>	Diameter	Millimetre
<b>INT Ø</b>	Internal diameter	Millimetre
<b>EXT Ø</b>	External diameter	Millimetre

The images and technical features shown are for guidance only and their design or the materials used are subject to change.

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## PRODUCT CERTIFICATION - N MARK OF AENOR

Protection against falls at different levels is one of the most important aspects to consider in construction works. There are countless situations in which it is necessary to establish collective protection systems to safeguard the integrity of workers.

Nowadays, the **VI General Convention on Construction** establishes the regulatory framework that provisional edge protection systems must comply with, indicating in its article 181 that the current regulations must be taken into account.

European standard **EN 13374:2013+A1:2018** "Temporary edge protection systems. Product specifications. Test methods." establishes the applicable requirements for systems intended to protect people against falls at a lower level and retain materials at construction sites.

## THE N MARK OF AENOR

**DACAME** obtains **AENOR's product certification** for provisional edge protection systems.

The **certified product N mark** is a mark of compliance with standards. The products that are granted this mark are subjected to different evaluations and periodic checks to verify their compliance with the corresponding standards. To this end, AENOR has developed a particular certification system that indicates the standards and technical specifications applicable to the product, the particular rules and the necessary procedures. All this information is collected in a Particular Regulation, which marks the guidelines to be followed by the manufacturer who wants to incorporate this brand in one of its edge protection systems.



"B35"



"E-1200"



"E-1150-14"

## ACCREDITED EXTERNAL LABORATORY

**DACAME**, in addition to the product certification with AENOR, has sought to ensure compliance with the UNE-EN 13374:2013 standard by sample testing of our Provisional Edge Protection Systems in the **Tecnalia Technology Centre**, accredited testing laboratory **ENAC No. 4 / LE024**, obtaining satisfactory results for our systems: **"B35"** and **"E-1200"**.



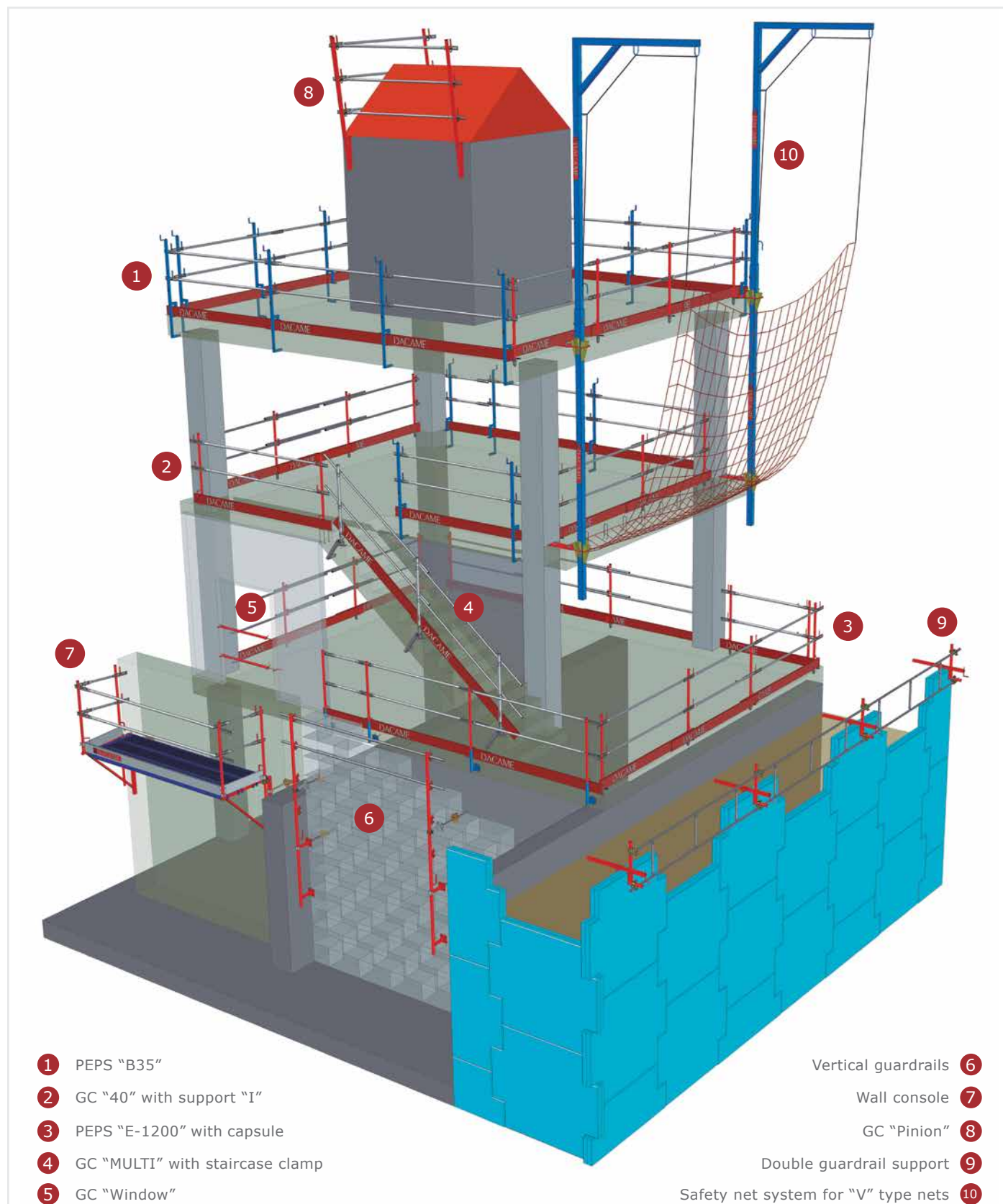
This complete set of guidelines allows **DACAME** to offer and transmit to our customers a high level of quality and reliability with our products and our Provisional Edge Protection Systems.

## PROVISIONAL EDGE PROTECTION SYSTEMS (PEPS)

We manufacture different models of Provisional Edge Protection Systems. We have an extensive range of guardrails, railings and supports among others. All designed to be installed at a construction site allowing users to carry out their work with complete safety, always in accordance with current safety requirements.

All our PEPS are manufactured in accordance with EN 13374 standard.

*DACAME Provisional Edge Protection Systems, examples of use:*

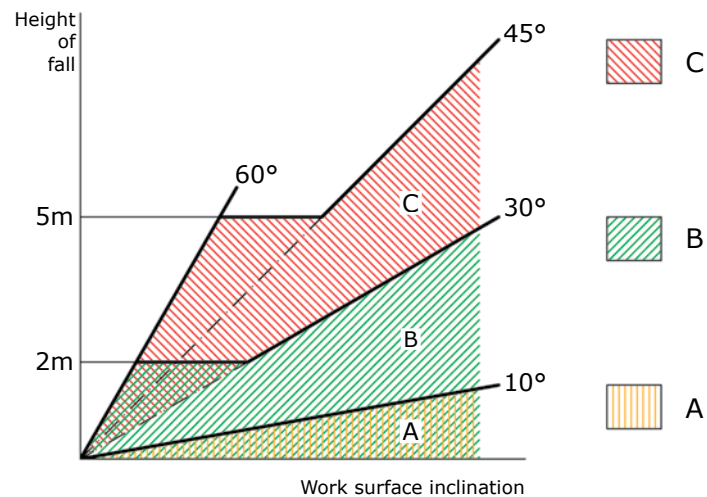


## SYSTEM CLASSIFICATION

EN 13374

It is essential to protect workplaces with a risk of falling from height. The **Royal Decree 1627/1997** establishes minimum safety conditions related to falls from height at construction sites, demanding protection at slopes, gaps and openings that may pose a risk of falling from a height. Fall height is set at 2m, considering that all workplaces located at a higher height must be protected by prioritising collective protection over individual protection.

### CLASS USAGE ACCORDING TO INCLINATION AND FALL HEIGHT



#### CLASS A

Resistance to static loads only:

- Leaning on the protection or holding on when walking on it.
- Stopping someone walking or falling towards the protection.



**CLASS A** - It can be used if the angle is less than 10°.

**DACAME** is specialised in **CLASS A**

#### CLASS B

Resistance to static loads and weak or low intensity dynamic forces:

- Leaning on the protection or holding on when walking on it.
- Stopping someone walking or falling towards the protection.
- Stopping someone's fall when slipping or falling on an inclined surface.



**CLASS B** - It can be used if the angle is less than 30° without fall height limit, or 60° when the fall height is less than 2m.

#### CLASS C

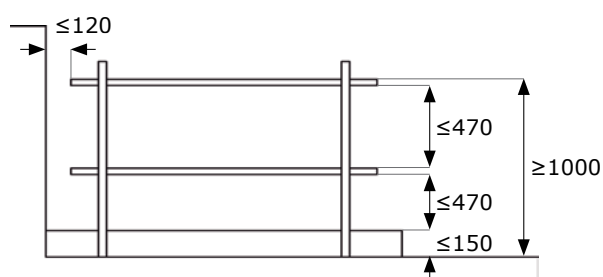
Resistance for high dynamic forces:

- Stopping someone's fall when slipping or falling on a steep slope surface.



**CLASS C** - It can be used if the angle is between 30° and 45° without fall height limit, or 45° and 60° when the fall height is less than 5m.

### CLASS A DIMENSIONAL REQUIREMENTS



- The distance between the highest part of the main guardrail and the work surface must be at least 1000 mm. The gaps between guardrails must not exceed 470 mm.
- Any horizontal hole must be less than 120 mm.
- The distance between the highest part of the toeboard and the work surface must be at least 150 mm. Gaps between the toeboard and the work surface should be avoided.



## CERTIFIED PROVISIONAL EDGE PROTECTION SYSTEMS

EN 13374 - CLASS A

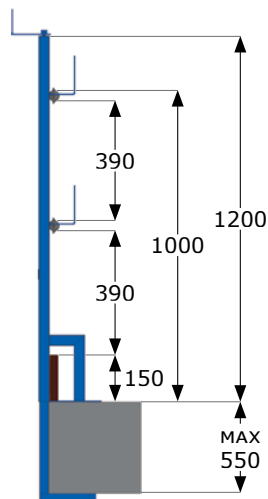
DACAME edge protection systems: B35, E-1200 and E-1150-14 are classified as **CLASS A**. CLASS A protection provides resistance to static loads only:

- Support for someone leaning on it holding it when walking by it.  
- Stopping someone walking or falling towards the protection.

The inclination of the CLASS A edge protection system must not deviate from the perpendicular to the work surface more than 15° outwards or inwards.



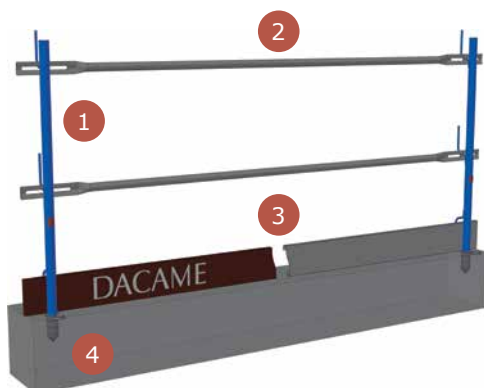
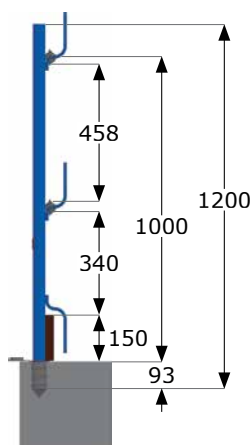
### ■ B35



The B35 system is ideal for installation on floor slabs of different thicknesses or of varying thickness thanks to its tightening by means of telescopic adjustment.

- 1 Guardrail B35
- 2 Guardrail B35 2500 (GA)
- 3 Toeboard B35 2500x150x27 (WD) / Toeboard 2500x150 (GA)

### ■ E-1200

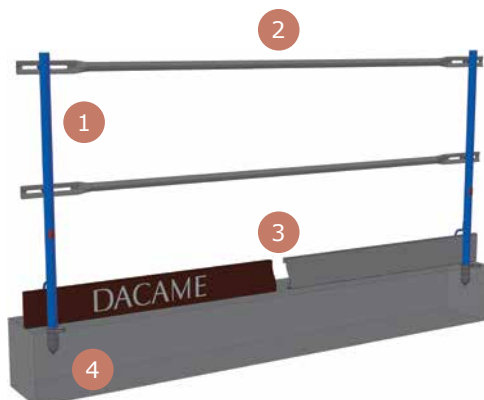
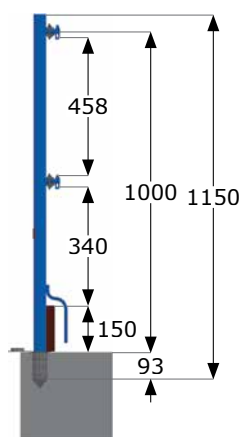


The E-1200 system allows a quick planning on site thanks to its assembly with anchor capsules previously embedded in the slab.

The fixing of the Rails to the Guardrail is by means of round commercial handles.

- 1 Guardrail E-1200
- 2 Guardrail B35 2500 (GA)
- 3 Toeboard B35 2500x150x27 (WD) / Toeboard 2500x150 (GA)
- 4 Anchoring capsule E

### ■ E-1150-14



The E-1150-14 system allows a quick planning on site thanks to its assembly with anchor capsules previously embedded in the slab.

The fixing of the Railings to the Guardrail is by means of a pin with a swinging latch.

- 1 Guardrail E-1150-14
- 2 Guardrail B35 2500 (GA)
- 3 Toeboard B35 2500x150x27 (WD) / Toeboard 2500x150 (GA)
- 4 Anchoring capsule E

## COMPONENTS OF THE CERTIFIED SYSTEMS

EN 13374 - CLASS A

PT  
ZN  
GA

### ■ GUARDRAILS

With guardrails and toeboards, they allow to establish a perimeter edge protection in slabs.

They have anchors for the top guardrail, the intermediate guardrail and the toeboard.

All DACAME guardrails are made of S275 high quality steel.

#### B35



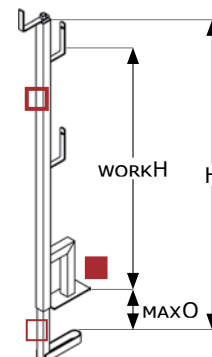
Telescopic regulation

- With regulation system and telescopic tightening by means of M12 rod and inner nuts.
- Grasping system to the floor by means of grippers. The upper gripper's fluted flatrail ensures a firm hold. It incorporates toeboard housing.

- 35x35x1.5
- 30x30x2
- Fluted e : 5

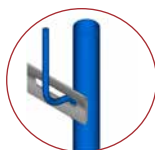
CLASS A  
EN 13374

COMPONENT	WEIGHT (kg)	REFERENCE
GUARDRAIL B35 (PT)	6.2	070211002
GUARDRAIL B35 (ZN)	6.2	070211008



MAX O	WORK H	H
550	1000	1200

#### E-1200

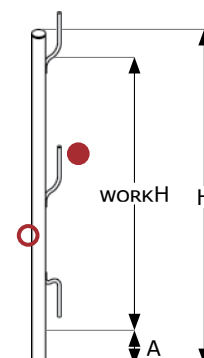


- Supports with guardrails manufactured with commercial long enough to prevent their escape.
- It has toeboard housing at the bottom.

- Ø40x1.5
- Ø10

CLASS A  
EN 13374

COMPONENT	WEIGHT (kg)	REFERENCE
ANCHOR GUARDRAIL E-1200 (PT)	2.2	070200062
ANCHOR GUARDRAIL E-1200 (GA)	2.2	070200069



A	WORK H	H
93	1000	1200

#### E-1150-14

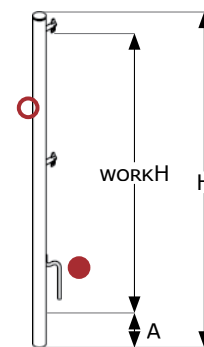


- As guardrail support it has Ø14 swing pins with latch that prevent accidental disassembly.
- It has toeboard housing at the bottom.

- Ø40x1.5
- Ø10

CLASS A  
EN 13374


COMPONENT	WEIGHT (kg)	REFERENCE
ANCHOR GUARDRAIL E-1150-14 (PT)	2	070200072
ANCHOR GUARDRAIL E-1150-14 (ZN)	2	070200078



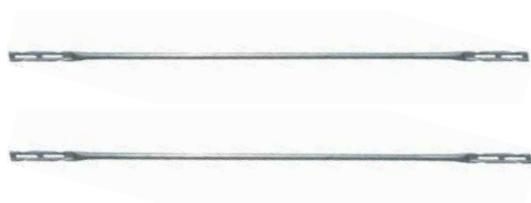
A	WORK H	H
93	1000	1150



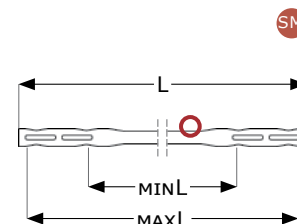
## COMPONENTS OF THE CERTIFIED SYSTEMS

EN 13374 - CLASS A 

## ■ GUARDRAIL



- Manufactured with quality DX51D steel.
- It has two housings at both ends for positioning on the guardrail.

 Ø35x2


COMPONENT	WEIGHT (kg)	REFERENCE
SECURITY GUARDRAIL B35 2500 (SM)	4	070212250

MIN L	MAX L	L
2080	2460	2500

## ■ WOODEN TOEBOARD



- Manufactured using high quality tropical wood with coating to ensure greater durability.



COMPONENT	WEIGHT (kg)	REFERENCE
TOEBOARD B35 2500x150x27 (WD)	5	070213250

L	H	THICKNESS
2500	150	27

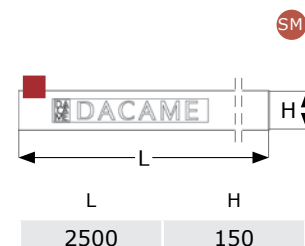
## ■ METAL TOEBOARD



- Manufactured with quality DX51D metal sheet.

 e: 1.2

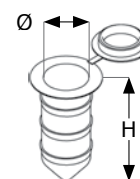
COMPONENT	WEIGHT (kg)	REFERENCE
TOEBOARD 2500x150 (SM)	6.2	070200670



## ■ ANCHORING CAPSULE



- Manufactured by injection with polypropylene copolymer. Its composition makes it resistant to high shocks and tensions.
- Designed to be soaked in concrete and to clamp guardrails.
- Antiseptic, galvanisable and non-toxic.



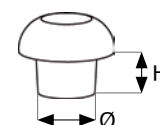
COMPONENT	WEIGHT (kg)	REFERENCE
ANCHOR CAPSULE FOR E GUARDRAIL (intØ 40)	0.02	070200510

INT Ø	EXT Ø	H
42.5	52.5	110

## ■ PLASTIC PROTECTOR

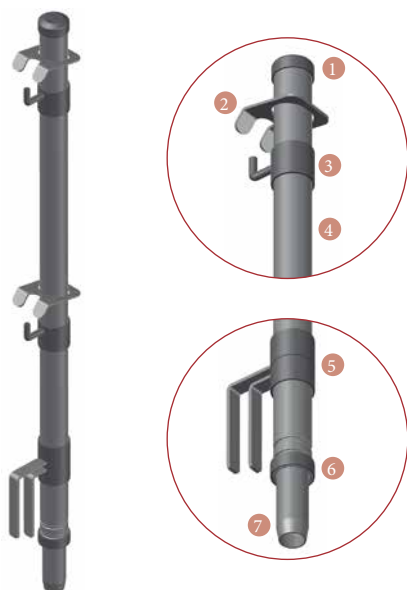


- Manufactured by injection with polypropylene copolymer. With rounded top termination.
- Protector for compatible heads, rods and guardrails.



COMPONENT	WEIGHT (kg)	REFERENCE
PROTECTION PLASTIC PLUG (Øext:36 / Øint:12-18)	0.02	070200530

INT Ø	EXT Ø	H
12-18	36.5	52



The Multidirectional Edge Protection System is classified as a CLASS A system.

System characterised by its versatility: The guardrail, as the main element of the system, has supports for the railings that allow them to be mounted in any direction and inclination, always maintaining all the safety conditions.

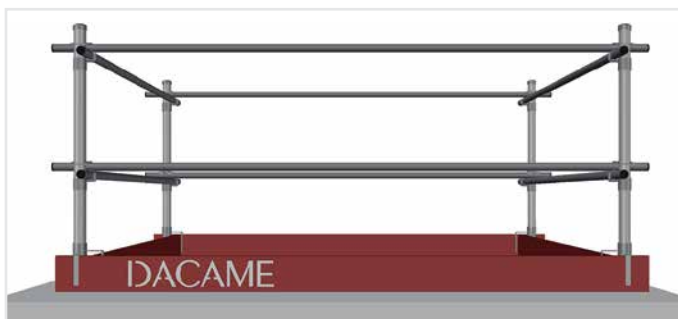
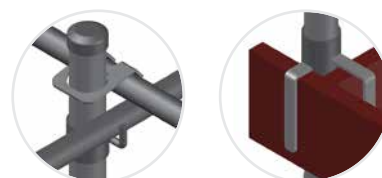
- 1 Top plug
- 2 Rotating and tiltable upper support
- 3 Fixed bottom support
- 4 Main tube Ø48mm
- 5 Supports for rotating and sliding toeboards
- 6 End
- 7 Ø40mm and 100mm long interlocking spigot

### IN HORIZONTAL SLABS

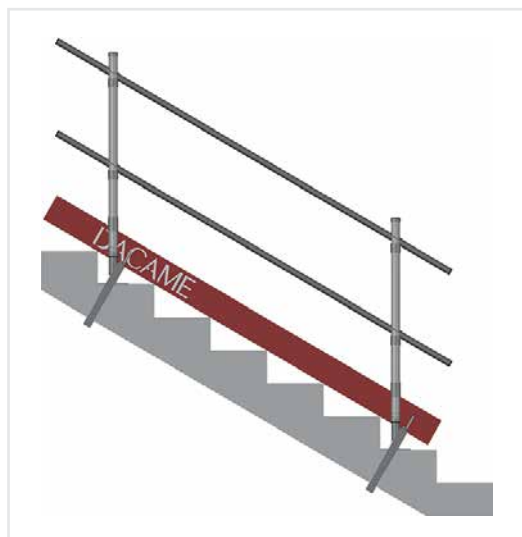
IN  
PARALLEL



ON  
CORNER



### IN STAIRS AND RAMPS



FLAT  
INCLINED

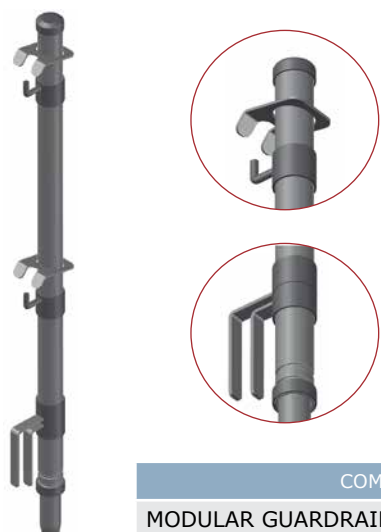


## MULTIDIRECTIONAL EDGE PROTECTION SYSTEM COMPONENTS

EN 13374 - CLASS A

## MODULAR GUARDRAIL 1100

GA



- Guardrail clamping system consisting of fixed lower claws and upper rotating and self-locking claws. For guardrails up to Ø35 mm.
- Rotating and sliding toeboards clamping system.

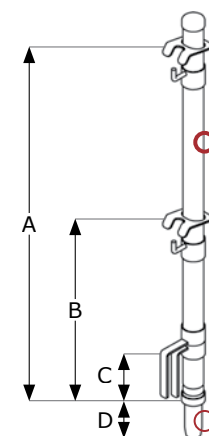
○ Ø48x1.5

○ Ø40x1.8

CLASS A

EN 13374

COMPONENT	WEIGHT (kg)	REFERENCE
MODULAR GUARDRAIL 1100 (GA)	4	070200210



A	B	C	D
1000	500	150	100

## GUARDRAIL

SM



- Manufactured with high quality S275 steel.
- It has two polypropylene safety plugs on both ends.

○ Ø35x2



COMPONENT	WEIGHT (kg)	REFERENCE
GUARDRAIL WITH PLUG (Ø: 35X2) 2500 (SM)	4.9	070202250

LENGTH

2500

## WOODEN TOEBOARD



- Manufactured using high quality tropical wood with coating to ensure greater durability.



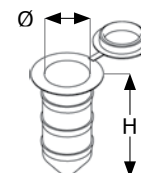
COMPONENT	WEIGHT (kg)	REFERENCE
TOEBOARD B35 2500x150x27 (WD)	5	070213250

L	H	THICKNESS
2500	150	27

## ANCHORING CAPSULE



- Manufactured by injection with polypropylene copolymer. Its composition makes it resistant to high shocks and tensions.
- Designed to be soaked in concrete and to clamp guardrails.
- Antiseptic, galvanisable and non-toxic.



COMPONENT	WEIGHT (kg)	REFERENCE
ANCHOR CAPSULE FOR E GUARDRAIL (intØ 40)	0.025	070200510

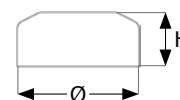
INT Ø	EXT Ø	H
42.5	52.5	110

## METAL PLUG

ZN



- Designed to protect the upper termination of the modular GCPO or Ø48 tubes.
- Hermetic and with rounded edges.



COMPONENT	WEIGHT (kg)	REFERENCE
COVER MF48 (ZN)	0.1	602900200

INT Ø	EXT Ø	H
48	54	24

## SERGEANT TYPE GUARDRAILS

EN 13374 - CLASS A

They are guardrails preferably intended for edge protection in floor slabs.

They have a regulation and tightening system by means of a crank and/or hexagonal nut.

The sergeant-type GRs are available with the guardrail supports in Ø35 and Ø32 clamp format.

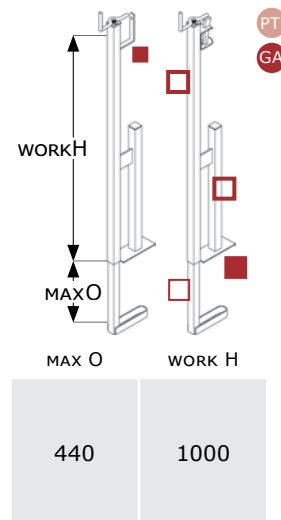
### FR - FRENCH SYSTEM



- With regulation system by means of M16 rod and inner nuts.
- Grasping system to the floor by means of grippers. The upper gripper's fluted flatrail ensures a firm hold.

	35x35x1.5		40x4
	30x30x2		20x5

COMPONENT	WEIGHT (kg)	REFERENCE
GUARDRAIL FR	7.3	110535104
GUARDRAIL FR (GA)	7.3	110535109
GUARDRAIL FR W/CLAMP	7.8	110535204
GUARDRAIL FR W/CLAMP (GA)	7.8	110535209



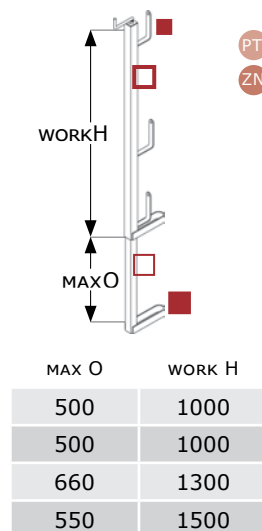
### B



- With regulation system by means of M12 rod and inner nuts.
- Grasping system to the floor by means of grippers.

	35x35x1.5		30x4
	30x30x2		20x5

COMPONENT	WEIGHT (kg)	REFERENCE
GUARDRAIL B	4.3	070200025
GUARDRAIL B (ZN)	4.3	070200028
GUARDRAIL B-1300	5.5	070200052
GUARDRAIL B-1500 (1+3H)	6.8	070200082



## POST TYPE GUARDRAILS

EN 13374 - CLASS A

Guardrails classified as CLASS A edge protection system.

They allow its assembly on a capsule soaked in concrete or other types of supports.

The post-type GRs are available with the guardrail supports in Ø35 and Ø32 clamp format.

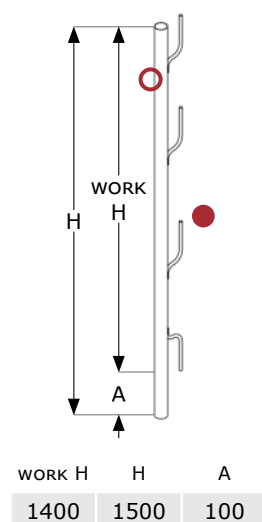
### E



- Guardrail designed to be soaked in concrete using an anchor capsule.
- It incorporates three anchors for the positioning of the railings, and one last anchor in an inverted position for the placement of the toeboard.

	Ø40x1.5
	Ø10

COMPONENT	WEIGHT (kg)	REFERENCE
ANCHOR GUARDRAIL E-1500 (1+3H) (PT)	2.15	070200102



## POST TYPE GUARDRAILS

EN 13374 - CLASS A

## FRENCH SYSTEM

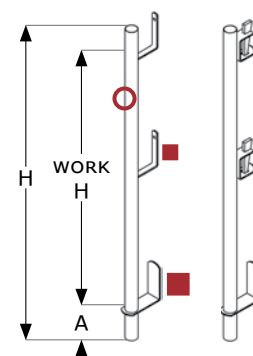
40/40



- Interlocking pin limited by the toeboard support.
- Guardrail support available in L-shaped handles or flange with conical wedge for 2 Ø35 or Ø32mm guardrails.

○ Ø40x1.5      ■ 50x4  
■ 20x5

COMPONENT	WEIGHT (kg)	REFERENCE
GUARDRAIL RESERVE 40/40	2.2	110441124
GUARDRAIL RESERVE 40/40 (GA)	2.2	110441129
GUARDRAIL RESERVE 40/40 W/CLAMP	3.5	110441224
GUARDRAIL RESERVE 40/40 W/CLAMP (GA)	3.5	110441229



WORK H    H    A

1000    1150    100

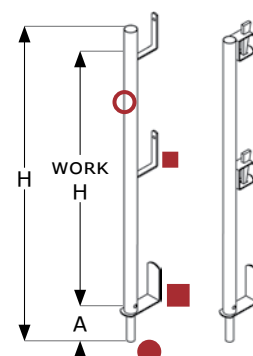
40/25



- Interlocking pin limited by the toeboard support.
- Guardrail support available in L-shaped handles or flange with conical wedge for 2 Ø35 or Ø32mm guardrails.

○ Ø40x1.5      ■ 50x4  
● Ø25          ■ 20x5

COMPONENT	WEIGHT (kg)	REFERENCE
GUARDRAIL RESERVE 40/25	2.2	110440124
GUARDRAIL RESERVE 40/25 (GA)	2.2	110440129
GUARDRAIL RESERVE 40/25 W/CLAMP	3.5	110440224
GUARDRAIL RESERVE 40/25 W/CLAMP (GA)	3.5	110440229



WORK H    H    A

1000    1150    100

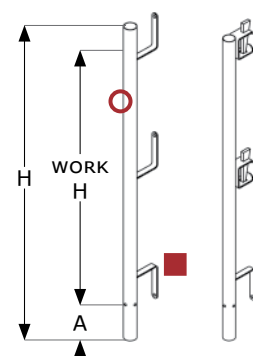
40



- Guardrail support available in L-shaped handles or flange with conical wedge for 2 Ø35 or Ø32mm guardrails.

○ Ø40x1.5      ■ 20x5

COMPONENT	WEIGHT (kg)	REFERENCE
GUARDRAIL "40"	2	110240124
GUARDRAIL "40" (GA)	2	110240129
GUARDRAIL "40" W/CLAMP	2.4	110340124
GUARDRAIL "40" W/CLAMP (GA)	2.4	110340129



WORK H    H    A

1000    1150    150

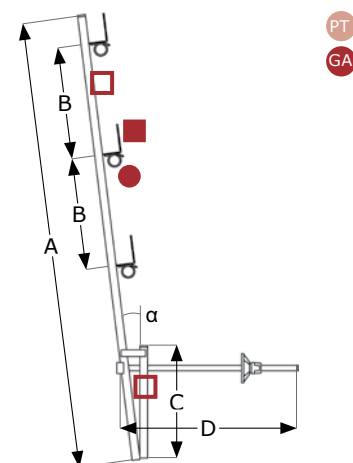
## PINION GUARDRAILS

EN 13374 - CLASS A



- The Pinion guardrail allows the establishment of a perimeter edge protection on walls and vertical surfaces.
- Positioning and tightening system in vertical surface using M24 rod and 2-wing nut (ZN).

- 35x35x2      ● Ø6
- 20x5



A	B	C	D	α
1995	500	500	500	7°

COMPONENT	WEIGHT (kg)	REFERENCE
PINION GUARDRAIL	6.2	110735204
PINION GUARDRAIL (GA)	6.2	110735209

## WINDOW GUARDRAIL

EN 13374 - CLASS A

### ECO



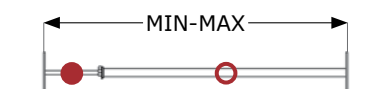
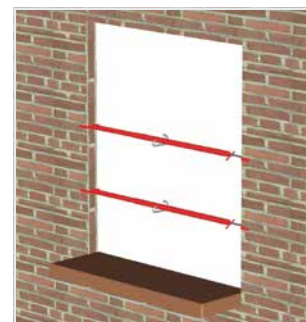
- Intended for edge protection in holes on vertical surfaces.
- Its telescopic regulation can cover different widths of doors and windows.
- The telescopic system consists of M12 rod and nut.

### PLUS



- The Window Plus Guardrail incorporates an external telescopic system with drilled tubes every 85mm to adjust Ø10 (ZN) hook and fix the desired position.

- Ø40x1.5
- Ø10



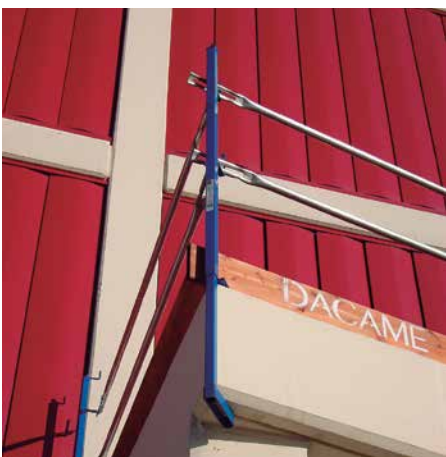
MIN. OPENING	MAX. OPENING
780	1100
1010	2010

COMPONENT	WEIGHT (kg)	REFERENCE
WINDOW GUARDRAIL (ECO) 780-1100	1.8	112300104
WINDOW GUARDRAIL (PLUS) 1010-2010	3.6	112301104

Image gallery:







## VERTICAL GUARDRAILS

Intended to prevent people falling at different levels during the construction of enclosures by establishing a perimeter edge protection.

Applicable in concrete walls (min. thickness 15cm), masonry (min. 20cm), works (min. 20cm) and prefabricated concrete (min. 20cm).

Vertical Guardrails are available with railing support in clamp format with taper pin for Ø35 and Ø32 mm tubes.

PT

GA

### VERTICAL GUARDRAIL

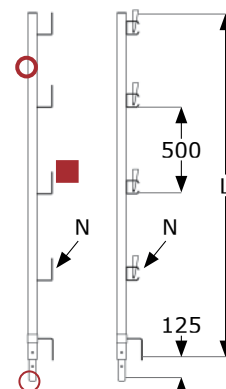


- The vertical guardrail has a tappet at the bottom to incorporate an independent Base Support.
- The tappet is connected to the main tube by means of a Ø8mm pin.
- It consists of a plastic plug at its upper end.

○ Ø48x1.8

■ 20x5

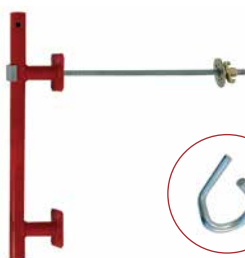
○ Ø42x1.8



COMPONENT	WEIGHT (kg)	REFERENCE
VERT. GUARDRAIL 2000	5.8	112100204
VERT. GUARDRAIL 2000 (GA)	5.8	112100209
VERT. GUARDRAIL 3000	8.3	112100304
VERT. GUARDRAIL 3000 (GA)	8.3	112100309
VERT. GUARDRAIL 4000	10.3	112100404
VERT. GUARDRAIL 4000 (GA)	10.3	112100409
VERT. GUARDRAIL 2000 W/CLAMP	8	112101204
VERT. GUARDRAIL 2000 W/CLAMP (GA)	8	112101209
VERT. GUARDRAIL 3000 W/CLAMP	11.2	112101304
VERT. GUARDRAIL 3000 W/CLAMP (GA)	11.2	112101309
VERT. GUARDRAIL 4000 W/CLAMP	13.2	112101404
VERT. GUARDRAIL 4000 W/CLAMP (GA)	13.2	112101409

N	L
4	2000
4	2000
6	3000
6	3000
8	4000
8	4000
4	2000
4	2000
6	3000
6	3000
8	4000
8	4000

### BASE SUPPORT

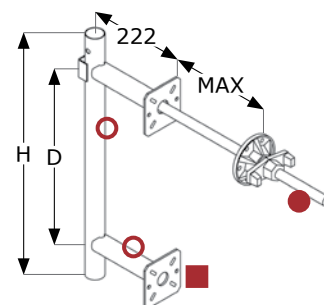


- Support vertical protectors in working position. Union of the Support and the Protector with swing pin.
- It has two plates at each end as supports and a rod with rotating plate as a tightening system.

○ Ø48x1.8

■ 118x120x5

● Ø24



COMPONENT	WEIGHT (kg)	REFERENCE
VERTICAL GUARDRAIL SUPPORT	6	112007304
VERTICAL GUARDRAIL SUPPORT (GA)	6	112007309
SWING PIN	0.13	239900030

H	D	MAX
700	500	350
-	-	-

### INTERMEDIARY SUPPORT

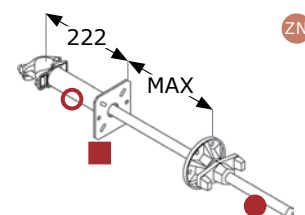


- It adds an additional holding point to the vertical protector.
- Union to the protector with clamp and tightening system with rod and rotating plate.

○ Ø48x1.8

■ 118x120x5

● Ø24



ZN

COMPONENT	WEIGHT (kg)	REFERENCE
INTERMEDIARY SUPPORT (ZN)	3	111900009

MAX. OPENING
350



## VERTICAL GUARDRAILS

EN 13374 - CLASS A

## VERTICAL GUARDRAIL WITH SUPPORT

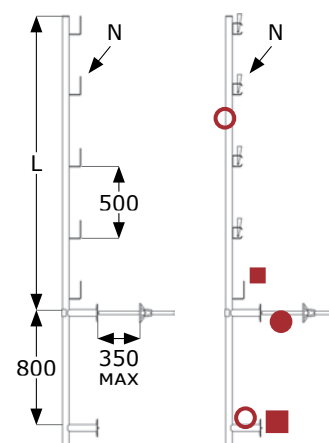


- The supports are welded directly at the bottom of the main tube and incorporate plates at their ends.
- The tightening system consists of a threaded rod in the upper support and a rotating plate with two wings.
- It has a plastic plug at its upper end.

 Ø48x1.8

 118x120x5

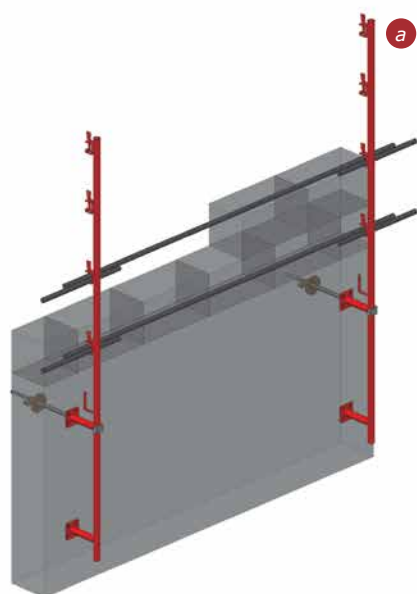
 Ø24

 20x5


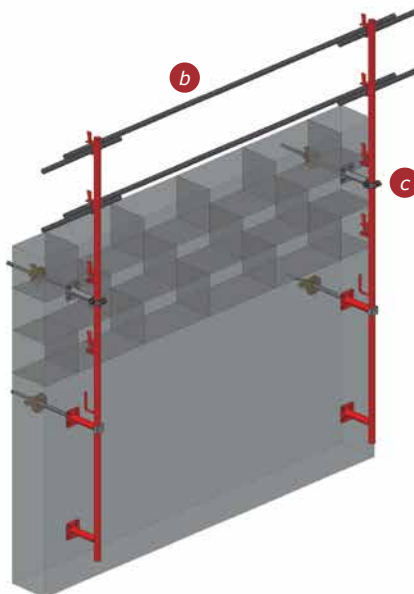
COMPONENT	WEIGHT (kg)	REFERENCE	N	L
VERT. GUARDRAIL W/SUPPORT 2000	8	112210204	5	2000
VERT. GUARDRAIL W/SUPPORT 2000 (GA)	8	112210209	5	2000
VERT. GUARDRAIL W/SUPPORT 3000	11.2	112210304	7	3000
VERT. GUARDRAIL W/SUPPORT 3000 (GA)	11.2	112210309	7	3000
VERT. GUARDRAIL W/SUPPORT 4000	13.2	112210404	9	4000
VERT. GUARDRAIL W/SUPPORT 4000 (GA)	13.2	112210409	9	4000
VERT. GUARDRAIL W/SUP. 2000 W/CLAMP	12.4	112211204	5	2000
VERT. GUARDRAIL W/SUP. 2000 W/CLAMP (GA)	12.4	112211209	5	2000
VERT. GUARDRAIL W/SUP. 3000 W/CLAMP	16	112211304	7	3000
VERT. GUARDRAIL W/SUP. 3000 W/CLAMP (GA)	16	112211309	7	3000
VERT. GUARDRAIL W/SUP. 4000 W/CLAMP	18.6	112211404	9	4000
VERT. GUARDRAIL W/SUP. 4000 W/CLAMP (GA)	18.6	112211409	9	4000

Sequential and indicative scheme of the construction of a wall:

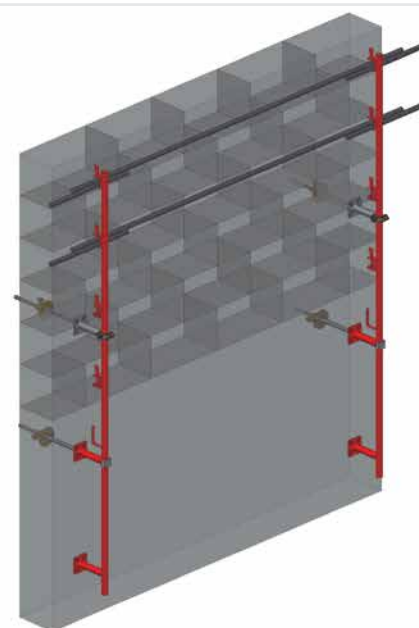
- a** Vertical guardrail with support and clamp 2000
- b** Ø35 mm horizontal guardrails
- c** Intermediary support



1. Start position.



2. Repositioning of guardrails.  
Intermediary support installation.



3. Wall completion.

## GUARDRAIL SUPPORTS

EN 13374 - CLASS A

All supports, mounted with a compatible GR, have been successfully tested.

They comply with the dimensional and resistance requirements of EN 13374 standard,

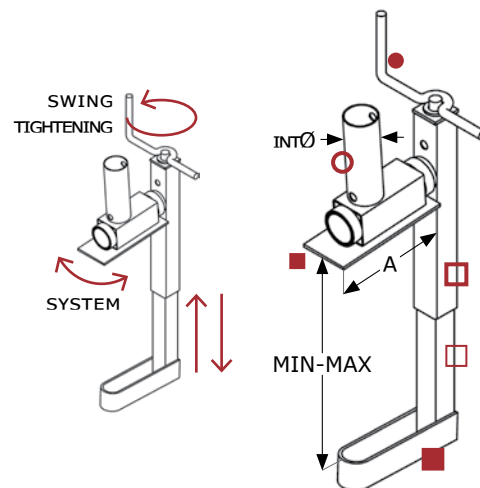
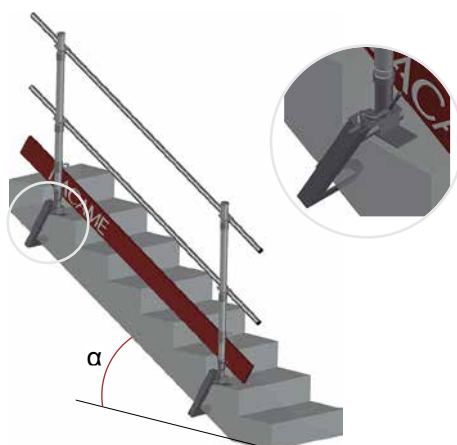
these assemblies being classifiable as class A edge protection systems.

### STAIRCASE CLAMP

ZN



- Articulated support designed to allow edge protection systems to be attached to both staircase slabs and ramps.
- Its precise telescopic regulation system is composed of a rotating crank welded to an internal threaded rod.
- The upper gripper is tiltable and consists of a housing for guardrails and a non-slip plate.



- 40x40x1.5
- 35x35x2
- 45x1.5
- 40x4
- Fluted e : 5
- Ø12

COMPONENT	WEIGHT (kg)	REFERENCE
STAIRCASE CLAMP (ZN) (Supp. Guard.)	3	070200968

MIN	MAX	A	INT Ø
182	370	170	42

### DOUBLE GUARDRAIL

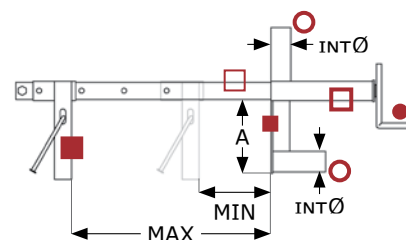
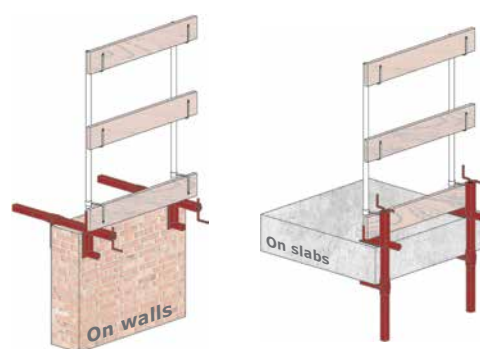
PT

ZN



- Support designed to allow edge protection systems to be attached to both slabs and walls.
- It has a quick regulation by means of holes, separated every 100mm, and pin.
- It also has a more precise regulation system by means of a rotating crank welded to an internal threaded rod.
- The upper gripper consists of the parallel housing to the telescopic structure and a non-slip plate. It has another identical housing welded perpendicularly to the telescopic structure.

- 45x45x1.5
- 40x40x2
- 45x1.5
- 40x4
- Fluted e : 5
- Ø12



COMPONENT	WEIGHT (kg)	REFERENCE
DOUBLE GUARDRAIL SUPPORT	5	110105004
DOUBLE GUARDRAIL SUPPORT (ZN)	5	110105009

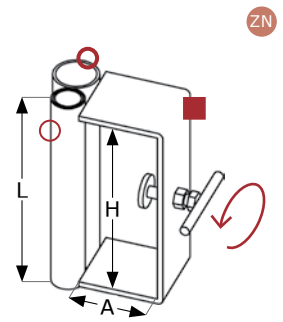
MIN	MAX	A	INT Ø
20	470	170	42

## GUARDRAIL SUPPORTS

### H20 CLAMP



- The H20 clamp allows the installation of post-type edge protection systems with interlocking pins.
- The housings, large and small, are designed for spigot guardrails of Ø40 and Ø25 respectively.
- The clamp is designed to be fixed in type H20 formwork beams, 20cm high and 8cm base.
- The tightening system to the beam is by M10 rod with handle.



- Ø48x3
- 80x6
- Ø35x1.5 (external tube)
- Ø30x1.5 (internal tube)

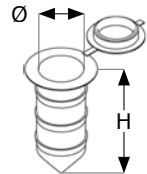
COMPONENT	WEIGHT (kg)	REFERENCE
H20 CLAMP (ZN) (Supp. Guard.)	3	070200958

L	H	A
230	205	85

### ANCHORING CAPSULE



- Manufactured by injection with polypropylene copolymer. Its composition makes it resistant to high shocks and tensions.
- Designed to be soaked in concrete and hold guardrails.
- Antiseptic, galvanisable and non-toxic.



COMPONENT	WEIGHT (kg)	REFERENCE
ANCHOR CAPSULE FOR E GUARDRAIL (intØ 40)	0.025	070200510

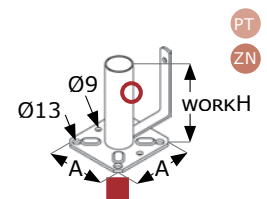
INT Ø	EXT Ø	H
42.5	52.5	110

### I SUPPORT



- The support I is designed to be fixed on flat concrete surfaces by means of anchors such as an expander or chemical ring.
- It incorporates support for toeboard positioning.

- Ø45x2
- e: 5



COMPONENT	WEIGHT (kg)	REFERENCE
GUARDRAIL SUPPORT E - Type I (PT)	1	070200912
GUARDRAIL SUPPORT E - Type I (ZN)	1	070200918

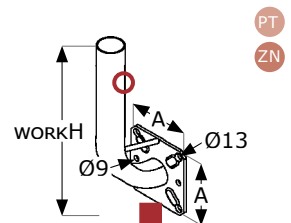
AxA	WORK H
118x118	150

### L SUPPORT



- The support I is designed to be fixed on flat concrete edges by means of anchors such as an expander or chemical ring.

- Ø45x2
- e: 5



COMPONENT	WEIGHT (kg)	REFERENCE
GUARDRAIL SUPPORT E - Type L (PT)	1.3	070200922
GUARDRAIL SUPPORT E - Type L (ZN)	1.3	070200928

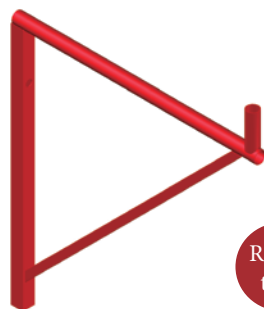
AxA	WORK H
118x118	300

## GUARDRAIL SUPPORTS

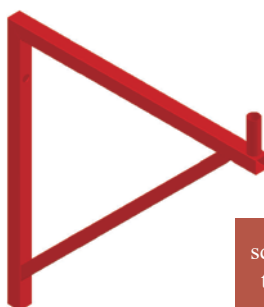
EN 13374 - CLASS A

### WALL CONSOLES

PT  
GA

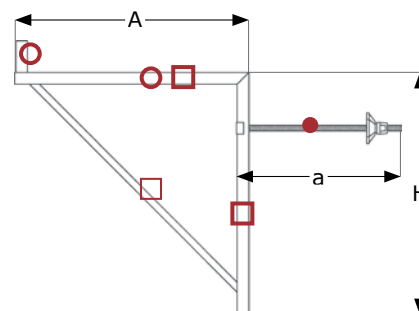


Round tube



square tube

- Designed to establish a work surface on facades and roofs.
- The pin located at the end of the upper crossbar allows the side protection to be mounted.
- For its fixing to the wall, it's available a threaded rod with support and nut with plate. (supplied separately)

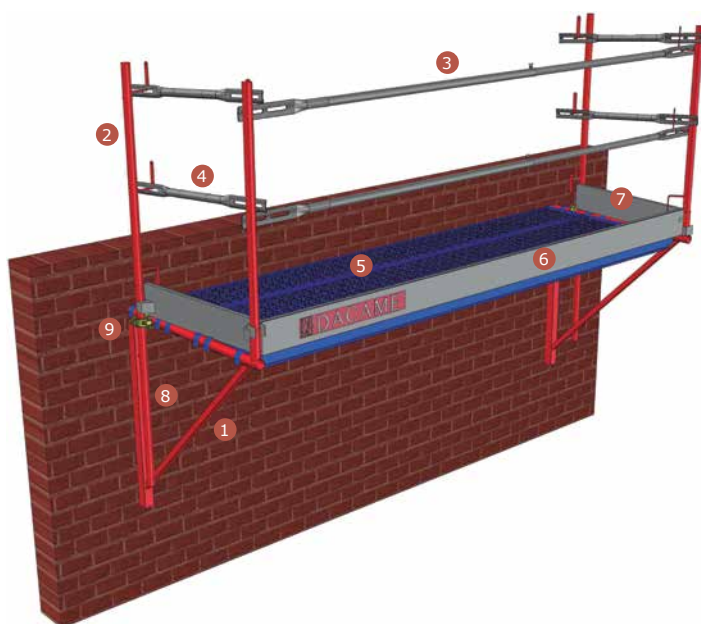


- 50x50x2
- 30x30x2
- Ø48x3
- Ø24

COMPONENT	kg (max.)	WEIGHT (kg)	REFERENCE
WALL CONSOLE H: 500 x 500 (GA)	700 kg/m	4	110000509
WALL CONSOLE H: 800 x 800	600 kg/m	6	110000804
WALL CONSOLE H: 800 x 800 (GA)	600 kg/m	6	110000809
WALL CONSOLE H: 1000 x 1000	450 kg/m	7.4	110001004
WALL CONSOLE H: 1000 x 1000 (GA)	450 kg/m	7.4	110001009
WALL CONSOLE H: 1000 x 1500	300 kg/m	12.3	110001504
WALL CONSOLE H: 1000 x 1500 (GA)	300 kg/m	12.3	110001509
WALL CONSOLE H: 1000 x 1000 (RD)	450 kg/m	7	110011004
WALL CONSOLE H: 1000 x 1000 (RD) (GA)	450 kg/m	7	110011009
THREADED ROD D-24 0,8m W/SUPPORT & NUT	-	3,6	110000088

A	H	a
500	500	800
800	800	
800	800	
1000	1000	
1000	1000	
1500	1500	
1500	1500	
1000	1000	
1000	1000	
1000	1000	
Ø 24 mm		800

Wall console examples of use:



- 1 Wall console H:1000x1000
- 2 Guardrail 40
- 3 Extensible security guardrail
- 4 Security guardrail - 1000
- 5 Extensible plank CONV. - 2000
- 6 Toeboard RJY CONV. - 2000
- 7 Toeboard DUO 45 - 800
- 8 Round tube Ø48x3 - 1000
- 9 Fixed clamp Ø48



## SECURITY GUARDRAILS

The guardrail railings allow to establish a perimeter edge protection in slabs. Always combined with guardrails and toeboards.

SM

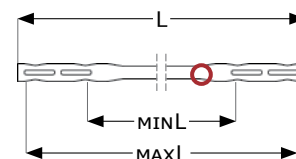
### GUARDRAILS



- Manufactured with quality DX51D steel.
- It has two 15x88 mm slots at both ends for its proper positioning on the guardrail.

○ Ø35x2 B35

○ Ø35x1.5 / Ø40x1.5



COMPONENT	WEIGHT (kg)	REFERENCE
SECURITY GUARDRAIL B35 2500 (SM)	4	070212250
SECURITY GUARDRAIL (Ø: 35x1.5) 1000 (SM)	1.2	070200410
SECURITY GUARDRAIL (Ø: 35x1.5) 1500 (SM)	1.8	070200430
SECURITY GUARDRAIL (Ø: 35x1.5) 2000 (SM)	2.5	070200450
SECURITY GUARDRAIL (Ø: 35x1.5) 2500 (SM)	3.1	070200500
SECURITY GUARDRAIL (Ø: 40x1.5) 3150 (SM)	4.5	070204310

MIN L	MAX L	L
2080	2460	2500
580	960	1000
1080	1460	1500
1580	1960	2000
2080	2460	2500
2730	3110	3150

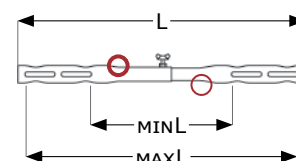
### EXTENSIBLE GUARDRAIL



- Manufactured with quality DX51D steel.
- It has two 15x88 mm slots at both ends for its proper positioning on the guardrail.
- In order to fix its length it has a butterfly nut.

○ Ø40x1.5

○ Ø35x1.5



COMPONENT	WEIGHT (kg)	REFERENCE
SECURITY GUARDRAIL EXT. (R:1860-2930) (SM)	4.3	070200818

MIN L	MAX L	L
1860	2930	3000

### GUARDRAIL WITH PLUG



- Manufactured with high quality S275 steel.
- It has two polypropylene safety plugs on both ends.

○ Ø35x2



COMPONENT	WEIGHT (kg)	REFERENCE
GUARDRAIL WITH PLUG (Ø: 35X2) 2500 (SM)	4.9	070202250

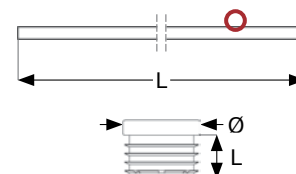
L
2500

### SECURITY TUBES



- Manufactured with high quality S275 steel.
- A minimum overlap distance of 250mm must be left.

○ Ø32x1.5



COMPONENT	WEIGHT (kg)	REFERENCE
SECURITY TUBE 3 m (Ø32) (SM)	3.4	070200770
SECURITY TUBE 6 M (Ø32) (SM)	6.8	070200800
PLUG GUARDRAIL D-32 (L20)	0.01	070200540

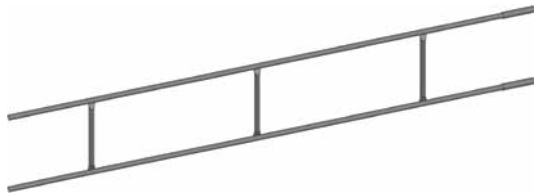
L	Ø
3000	-
6000	-
20	32

## SECURITY GUARDRAILS

EN 13374 - CLASS A

### GUARDRAIL "S"

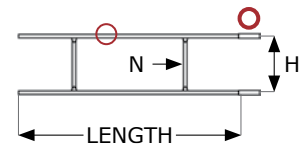
GA



- Security guardrail with connecting pin that guarantees a uniform continuity.

○ Ø32x1.5

○ Ø40x1.5



COMPONENT	WEIGHT (kg)	REFERENCE
SECURITY GUARDRAIL 2000 "S"	6	070200720
SECURITY GUARDRAIL 3000 "S"	8.7	070200730
SECURITY GUARDRAIL 4000 "S"	11.5	070200740

LENGTH	N	H
2000	2	500
3000	3	
4000	4	

### GUARDRAIL "L"

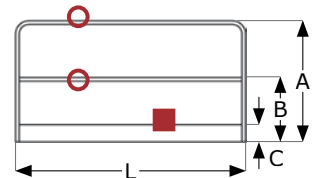
PT



- It allows to establish a perimeter edge protection, combined with guardrails that act as supports.

○ Ø32x1.5

■ e: 1.5



COMPONENT	WEIGHT (kg)	REFERENCE
SECURITY GUARDRAIL 2000 "L" W/TOEBOARD	9	070200614
SECURITY GUARDRAIL 3000 "L" W/TOEBOARD	13	070200604

L	A	B	C
2000	1000	500	150
3000			

## TOEBOARDS

EN 13374

The toeboards are designed to prevent objects from falling from the work surface.

They are part of the side protection together with the guardrails at 1m and 0.5m.

They are manufactured in accordance with the requirements of the EN 13374 standards.

### WOODEN TOEBOARD



- Manufactured using high quality tropical wood with coating to ensure greater durability.



COMPONENT	WEIGHT (kg)	REFERENCE
TOEBOARD B35 2500x150x27 (WD)	5	070213250

L	H	THICKNESS
2500	150	27

### METAL TOEBOARD

SM



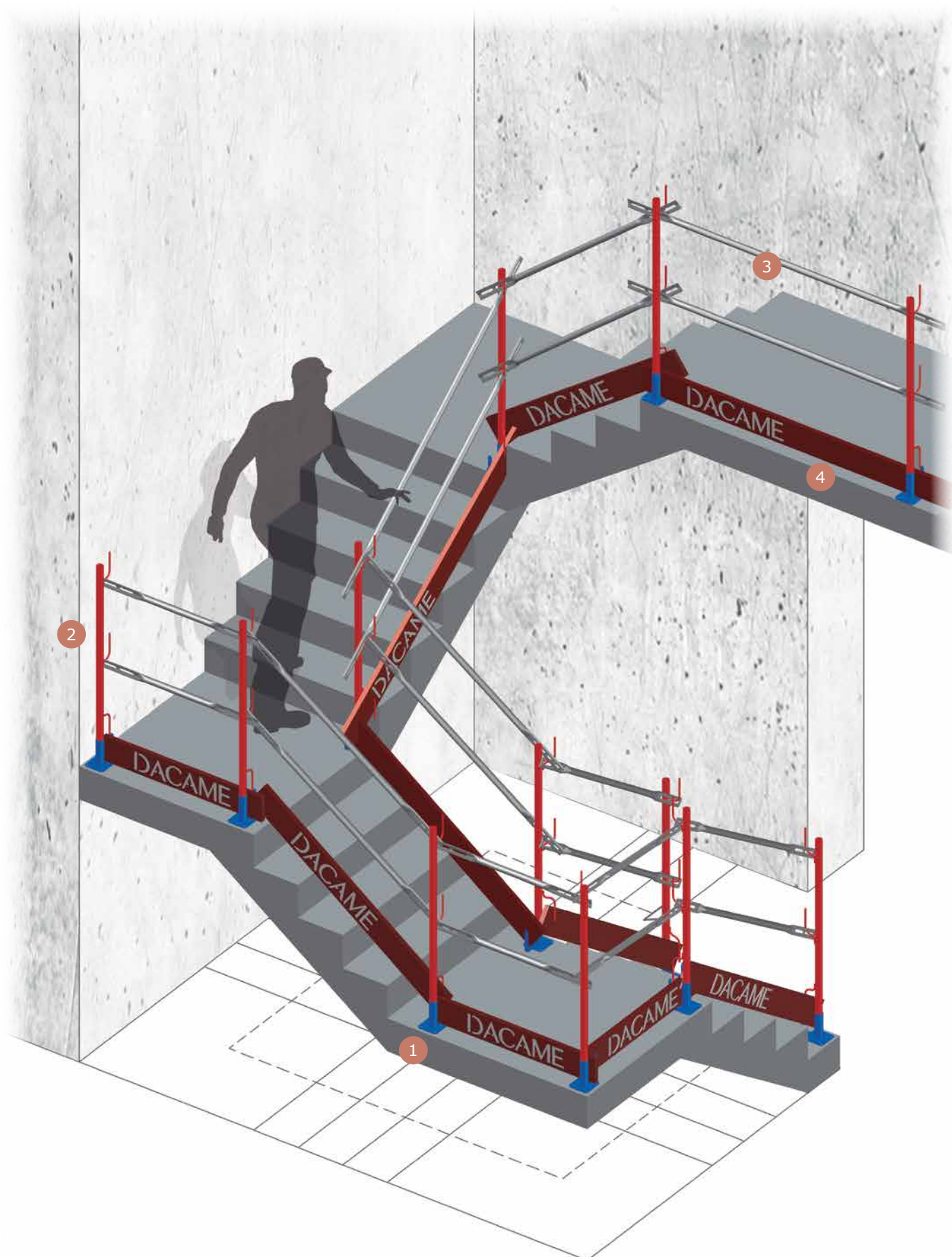
- Manufactured with quality DX51D metal sheet.

■ e: 1.2



COMPONENT	WEIGHT (kg)	REFERENCE
TOEBOARD 2500x150 (SM)	6.2	070200670

L	H
2500	150



- ① Guardrail Support E - Type I
- ② Anchor guardrail E-1200

- Security Guardrail ③
- Wooden toeboard ④

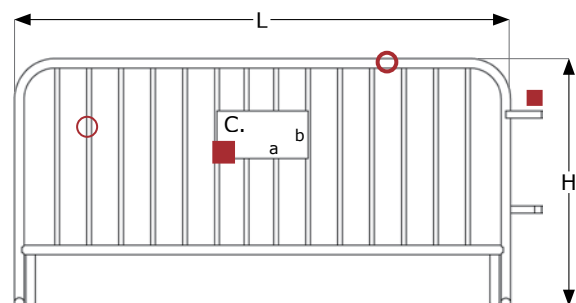
## BARRIERS

The barriers are the most suitable option to create security perimeters, for the channelling of people in large events and to indicate situations such as:

Roads in poor condition, accidents, tree pruning, reserved parking areas, unauthorized accesses, construction work, pedestrian crossing area, etc.

All DACAME barriers are connectable with each other thanks to their side connection system. DACAME barriers are made of S275 high quality steel.

### BARRIER BCN



○ 40x1,5 ○ 20x1 ■ e: 1,2 ■ 35x6

PT  
GA

### WITH PERSONALIZED METAL SHEET

- Choose the logo or name of your company for the central metal sheet. Laser cut.



### FOOT TYPE:

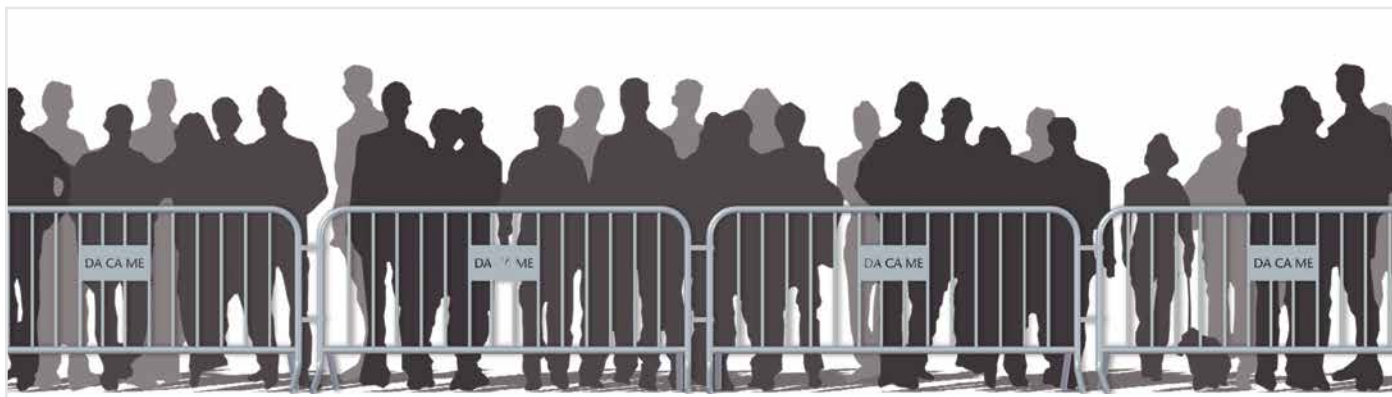
- Fixed leg system.
- Union system with flares for greater robustness.



Kit: 24ud. + Pallet ECO

COMPONENT	WEIGHT (kg)	REFERENCE	L	H	C. (axb)
BARRIER BCN 2100x1000 (Metal Sheet) (GA)	16	070920119	2100	1000	385x200
BARRIER BCN 2100x1000 (Metal Sheet) (PT)	16	070920111			
BARRIER BCN 2100x1000 (24ud.) + PALLET ECO (GA) (KIT)	412	070920129			
BARRIER BCN 2100x1000 (24ud.) + PALLET ECO (PT) (KIT)	412	070920121	-	-	-

Barriere BCN examples of use:



## BARRIERS

## ■ DCM



1  
Fixed  
foot



2  
Fixed  
feet



2  
Collapsible  
feet

## WITH / WITHOUT METAL SHEET:

- Choose the personalization of the central sheet with the logo or name of your company. Laser cut.

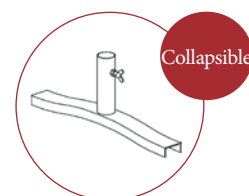


## FOOT TYPE:

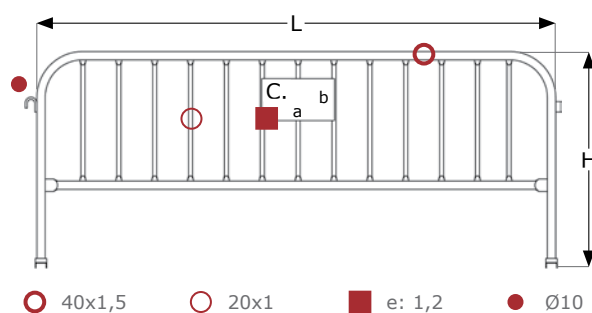
- Choose the termination of the barrier.



Fixed  
foot



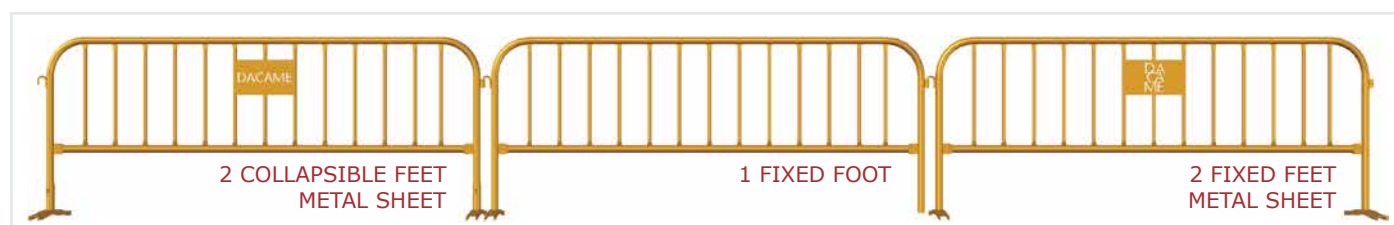
Collapsible



COMPONENT	WEIGHT (kg)	REFERENCE
BARRIER DCM 1000x1000 2 feet (Metal Sheet)	9	071521001
BARRIER DCM 2500x1100 1 foot	14.5	070412501
BARRIER DCM 2500x1100 2 feet	15	070422501
BARRIER DCM 2500x1100 2 detachable feet	15	070402501
BARRIER DCM 2500x1100 1 foot (Metal Sheet)	15	071511001
BARRIER DCM 2500x1100 2 feet (Metal Sheet)	16	070522501
BARRIER DCM 2500x1100 2 detachable feet (Metal Sheet)	16	070502501
BARRIER DCM 2500x1100 2 feet (M.S.) (GA)	16	070522508
COLLAPSIBLE BARRIER FOOT DCM	1.3	071600011

L	H	C. (axb)
1000	1000	350x200
2500	1100	-
		350x200
FOOT WIDTH: 500		

Barrier DCM image gallery:



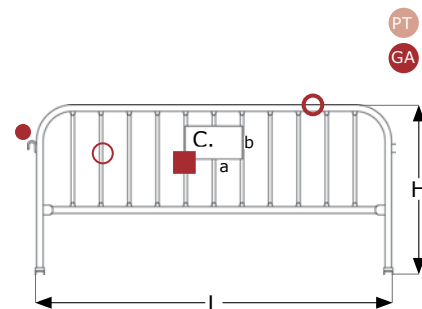


## BARRIERS

### FREE



- 35x1,5
- 20x1
- e: 1,2
- Ø10



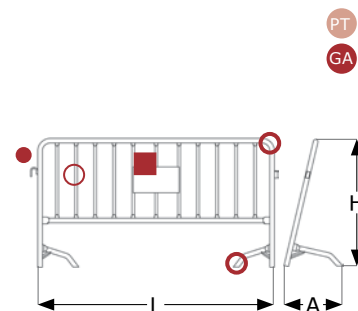
COMPONENT	WEIGHT (kg)	REFERENCE
BARRIER FREE 2300x1000 1 foot (Metal Sheet)	12.5	070712301
BARRIER FREE 2300x1000 2 feet (Metal Sheet)	13	070722301
BARRIER FREE 2300x1000 2 feet (Metal Sheet) (GA)	13	070722309
BARRIER FREE 2300x1000 2 detachable feet (Metal Sheet)	13	070732301
COLLAPSIBLE BARRIER FOOT FREE	1.2	071600015

L	H	C. (axb)
2300	1000	350x200
FOOT WIDTH: 500		

### INCLINED



- It is specially designed for sporting events such as cycling races or marathons. Ideal for the last metres or dangerous curves.
- The feet are oriented towards the inside of the barrier so that it is tilted and the cyclists or runners do not trip over them.



- 25x1,5
- 20x1
- e: 1,2
- Ø10

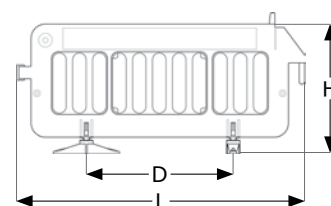
COMPONENT	WEIGHT (kg)	REFERENCE
INCLINED BARRIER 1800 2 feet (Metal Sheet)	12	071321181
INCLINED BARRIER 1800 2 feet (M.S.) (GA)	12	071321189

L	A	H
1800	450	1000

### PLASTIC



- Made with high quality UV resistant plastic.
- With male-female side anchors for quick and easy connection between barriers.
- Its swivel feet are removable. This facilitates their storage and transport.
- With red and white reflective bands on both sides.



COMPONENT	WEIGHT (kg)	REFERENCE
BARRIER 2000x1000x55 m (Polyethylene) Yellow	12.2	072A20101
BARRIER 2000x1000x55 m (Polyethylene) Blue	12.2	072A20102

L	WIDTH	D	H
2000	55	1120	1000



## BARRIERS

## MINI

PT

Metal  
sheet  
side1  
Fixed  
footMetal  
sheet  
central1  
Fixed  
foot

- With a fixed foot located on the side of the side connection system. Foot width: 400mm.

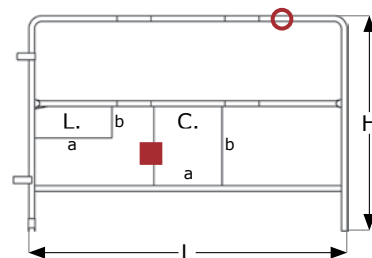
- Location of advertising plate to choose: side or centre.

- It has 4 reflecting stickers.

- Barriers easy to use with great adaptability.

○ Ø25/Ø28 x 1.5

■ e: 1.2



L	H	C. (axb)	L. (axb)
1425	1000	300x330	340x140

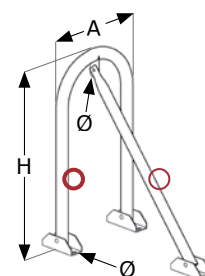
## PARKING



- Designed specifically for parking boundaries.
- Fully folding arm.
- A padlock hole is available to fix the vertical position.
- It has holes for fixing to the ground.

○ Ø40x1.5

○ Ø35x1.5



ZN

H	A	Ø
680	350	9

## SIGNAL SUPPORT

ZN



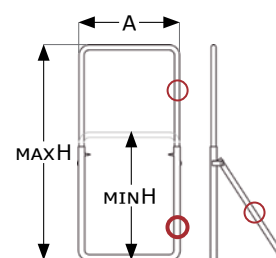
foldable

- Support designed for clamping provisional plastic work signs<sup>1</sup>.

- Telescopic screw and nut system for height adjustment.

○ Ø20x1

○ Ø16x1,5



A	MIN H	MAX H
600	790	1360

COMPONENT	WEIGHT (kg)	REFERENCE
SIGNAL SUPPORT (ZN)	3.2	900000108

<sup>1</sup>Plastic sign not included

## WALKWAYS

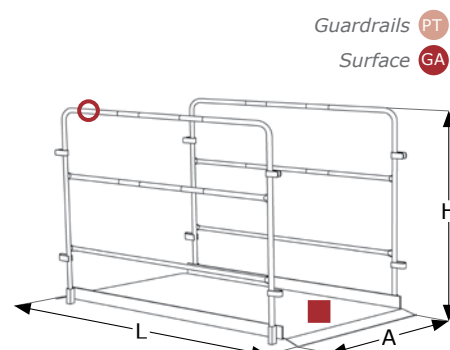
The walkways are designed to give passage continuity across ditches, stowage, etc.  
The surfaces of the walkways are non-slip as they are made of "peanut" type plate.  
The guardrails are removable. In working position they are secured with four snap pins.  
Surface treated by with polypropylene microspheres with anti-slip properties in wet conditions.  
Slip resistance: Class 3 UNE-ENV 12633, Annex A

### PL



- With reflective bands on the crossbars of the guardrails.
- With anchors on the sides.
- Compatible with MINI barrier.

○ Ø25x1.5 ■ e: 2



COMPONENT	kg (max.)	WEIGHT (kg)	REFERENCE
WALKWAY W/GUARDRAILS PL-A 1700x880	300 kg/m <sup>2</sup>	43	073170088
WALKWAY W/GUARDRAILS PL-A 2000x880	300 kg/m <sup>2</sup>	50	073200088
WALKWAY W/GUARDRAILS PL-B 1700x1200	250 kg/m <sup>2</sup>	52	073170120
WALKWAY W/GUARDRAILS PL-B 2000x1200	200 kg/m <sup>2</sup>	61	073200120

L	A	H
1700	880	1000
2000	880	1000
1700	1200	1000
2000	1200	1000

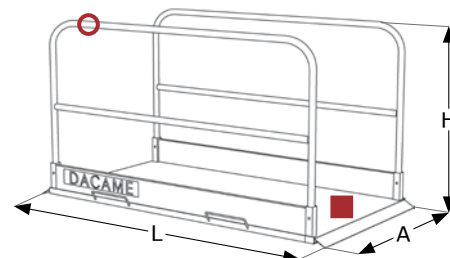
### REINFORCED PL

EN 13374



- It has transverse reinforcements on its lower part.
- With 150mm high toeboard.
- It has side hooks for a better handling.

○ Ø25x1.5 ■ e: 2



COMPONENT	kg (max.)	WEIGHT (kg)	REFERENCE
REINFORCED WALKWAYS W/GUARDRAILS 2x1 m (GA)	400 kg/m <sup>2</sup>	69	074120100
REINFORCED WALKWAYS W/GUARDRAILS 3x1 m (GA)	300 kg/m <sup>2</sup>	109	074130100

L	A	H
2000	1000	1000
3000	1000	1000

Image gallery:



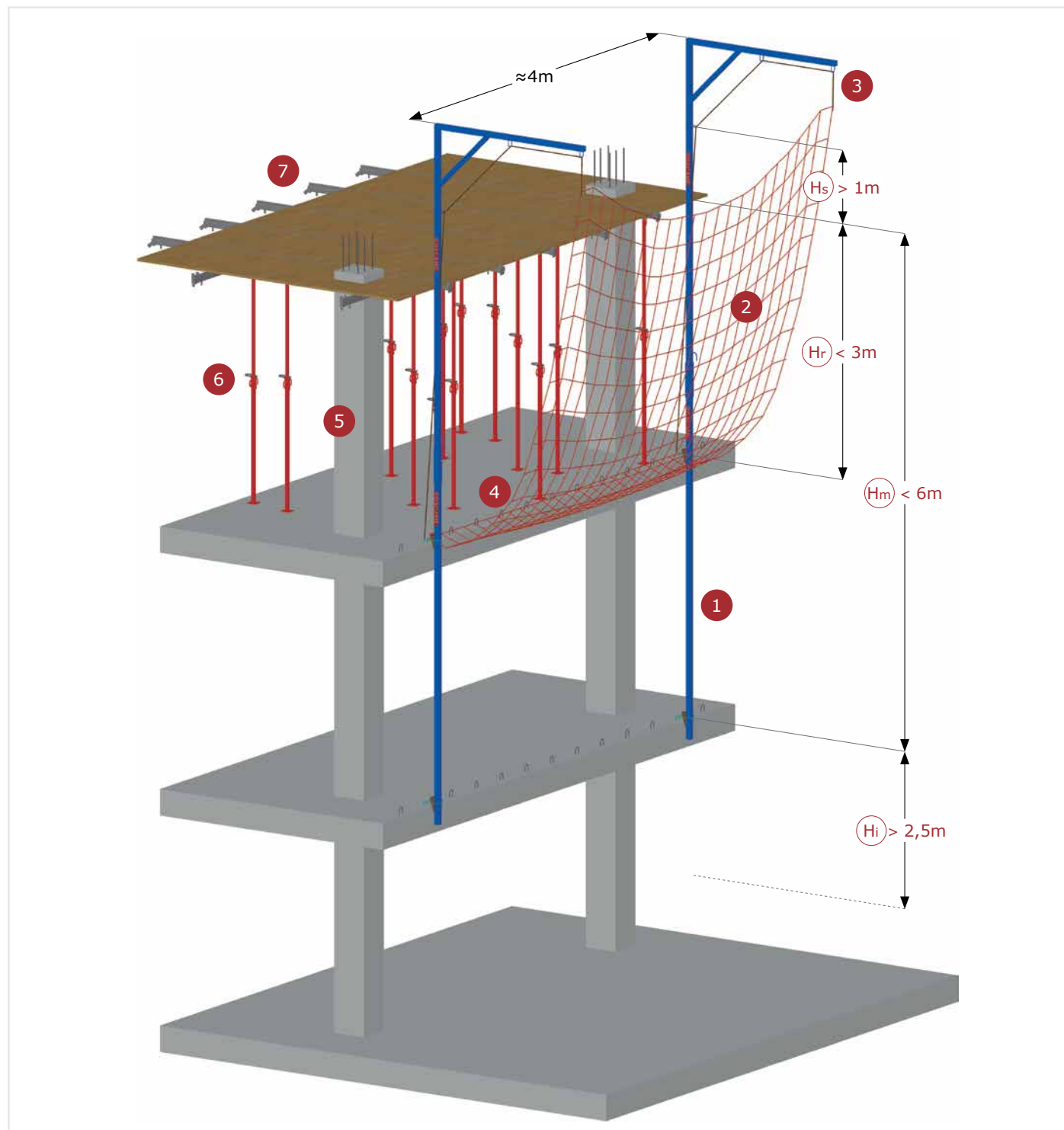




The safety net systems form the support structure to which safety nets are subject. They contribute to the absorption of kinetic energy. Dacame safety net systems are specifically designed for V-type nets, safety nets with perimeter rope.

Dacame safety net systems are manufactured in compliance with all the requirements established by the EN 1263 standard "Temporary works equipment". Safety nets Successfully passing the dynamic resistance tests.

Assembly example:



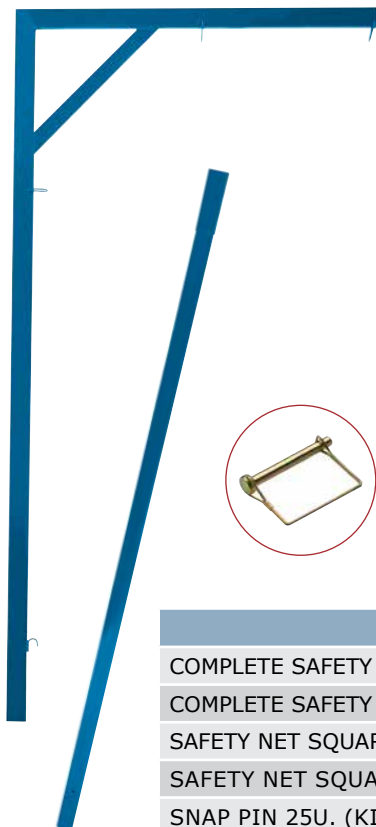
- |                       |   |   |
|-----------------------|---|---|
| 1 Complete safety net | 5 Structure under construction                              | (Hs) Height between the work surface and the upper edge of the net. |
| 2 Safety net          | 6 Props.<br><i>See Dacame Props catalogue.</i>              | (Hr) Recommended fall height.                                       |
| 3 Tying rope          | 7 Formwork system.<br><i>See Dacame Formwork catalogue.</i> | (Hm) Maximum fall height.   |
| 4 Retaining hooks     |   | (Hi) Minimum ground clearance below the net.                        |



## SAFETY NET SYSTEMS FOR "V" TYPE NETS

EN 1263

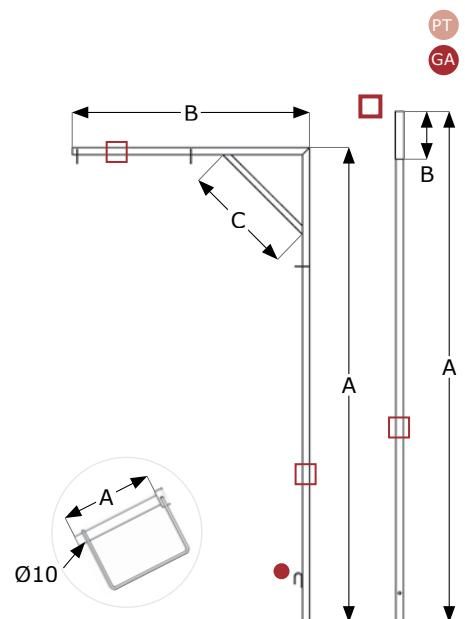
## SAFETY NET SYSTEMS



- Intended to prevent the possible fall of a person from a maximum height of 6m.
- Designed for installation in slabs on construction sites, together with V-type nets.
- Consisting of two elements, a square with angular reinforcement and a straight section.
- Union between elements by pin with safety bolt.
- It has rings, for the passage of the rope, and a lower hook for its knotting.



- 70x70x3      ● Ø10  
■ 60x60x3



COMPONENT	WEIGHT (kg)	REFERENCE
COMPLETE SAFETY NET (60x60x3) (GA)	64	070328020
COMPLETE SAFETY NET (60x60x3) (PT)	62	070328025
SAFETY NET SQUARE 4000x2000 (60x60x3) (PT)	37.5	070324025
SAFETY NET SQUARE 4000 (60x60x3) (PT)	24.5	070324005
SNAP PIN 25U. (KIT) (ZN)	2	070300000

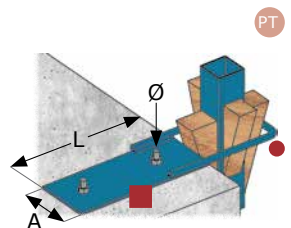
A	B	C
-	-	-
-	-	-
4000	2000	1000
4300	400	-
90	-	-

## SAFETY NET SUPPORT



- It allows the correct assembly of the safety net systems for type V nets.
- Fix with expansion anchors, nuts and M12 washers.

- e: 5      ● Ø12



COMPONENT	WEIGHT (kg)	REFERENCE
SAFETY NET SUPPORT (PT)	2	070300010

L	A	Ø
300	120	15

Image gallery, dynamic resistance test:





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V.05-2211

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BARROWS  
AND WHEELS



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SKIPS AND  
MANHOLE  
COVERS



PLASTERER  
TOOLS



OTHER  
TOOLS

## SAFETY



EDGE  
PROTECTION  
SYSTEMS.



GUARDRAILS



VERTICAL  
GUARDRAILS



BARRIERS AND  
WALKWAYS



SAFETY NET  
SYSTEMS

## PROPS



PROPS

## FORMWORK



FORMWORK

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