

# NAVASTRID

## Absperrtechnik



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Barrier Post



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Work Site  
Protection

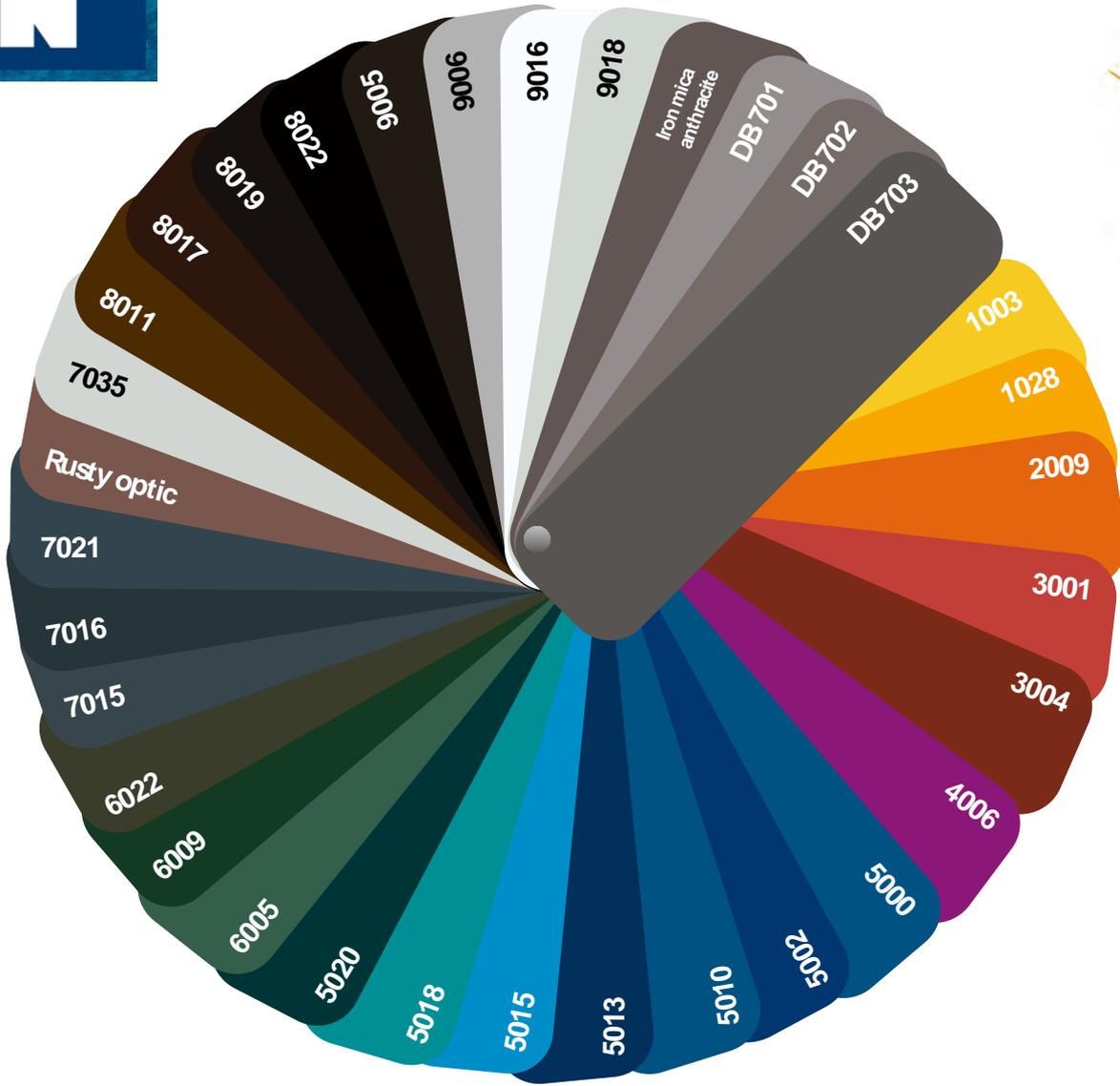


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BiCycle Rack



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Barrier Gate





**Eyelets**  
Inside Ø 20 mm  
Outside Ø 35 mm

For round and square tube barriers



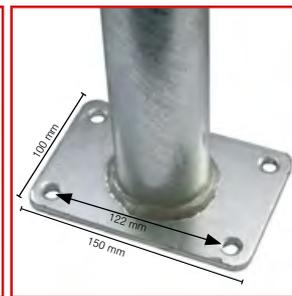
**Triangular Lock**  
according to DIN 3223

For round and square tube barriers



**Profile cylinder lock**  
with 3 keys  
German branded product

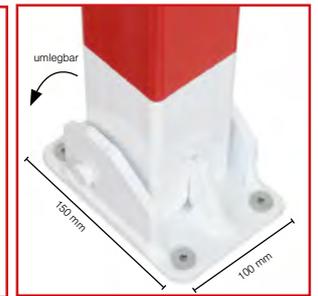
For round and square tube barriers



**Bottom Plate**

can be screwed onto a ground socket

Hole spacing: 70 x 122 mm



**Hinged Bottom Plate**

fixed with post and for titling



The Barrier posts are always hot-dip galvanized according to DIN EN ISO 1461. Bollards are made of high-quality aluminum or hot-dip galvanized steel.

Color Code - The information is non-binding with regard to color and brilliance. It is for the purpose of giving you an impression of the coatings we supply.

We reserve the right to make changes in design, appearance and function. Dimensions are approximate dimensions. No liability is assumed for any printing errors.



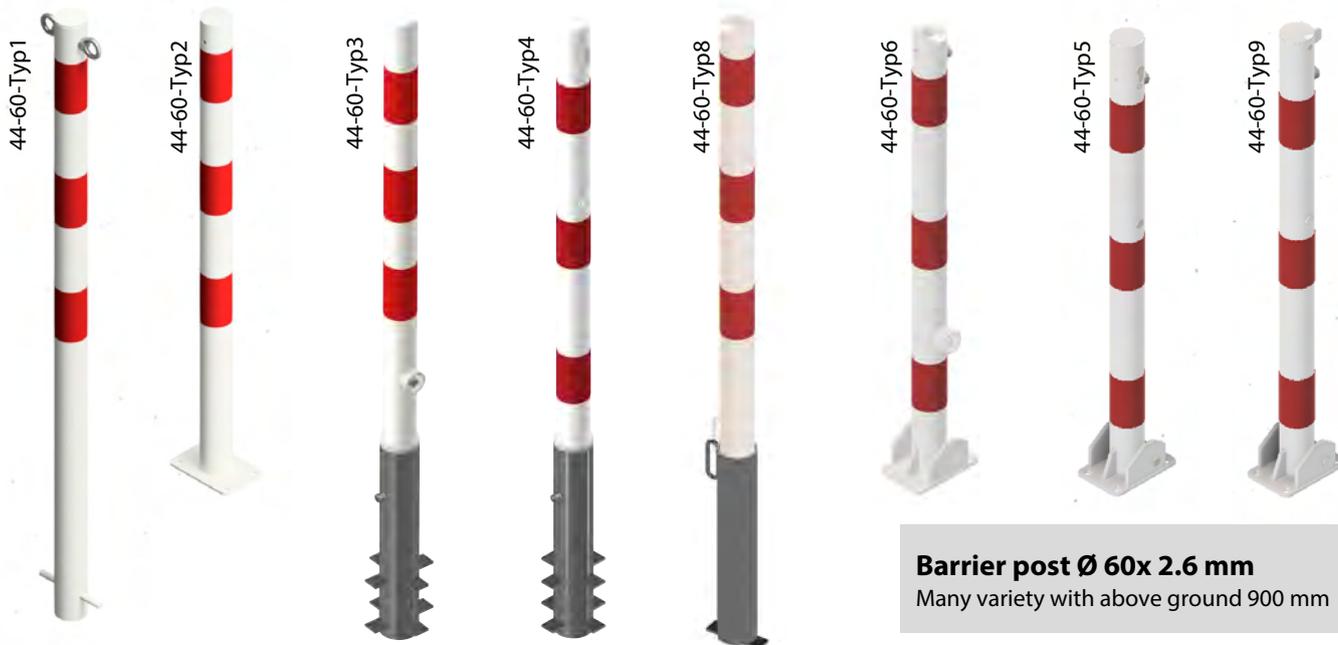
# 1. Barrier posts

## Barrier Post - Steel tube Ø 60

N



This barrier or chain post can be used as a boundary post for pedestrian street, parking lot, road, security zone, etc. The barrier with the stable locking and easy handling guarantees a quick opening of the blockade



### Barrier post Ø 60x 2.6 mm

Many variety with above ground 900 mm

#### Article.

- Stationary post for casting in concrete (with 2 eyelets)
- Stationary post to be fixed by plugs (with 2 eyelets)
- Removable post with Triangle lock and included ground socket (with 2 eyelets)
- Removable post with Euro profile cylinder lock and included ground socket (with 2 eyelets)
- Removable post for padlock and included ground socket (with 2 eyelets)
- Foldable post with Triangle lock
- Foldable post with Euro Profile cylinder lock
- Foldable post for padlock

#### Article no.

- 44-60-Typ1
- 44-60-Typ2
- 44-60-Typ3
- 44-60-Typ4
- 44-60-Typ8
- 44-60-Typ6
- 44-60-Typ5
- 44-60-Typ9

#### Weight.

- 5.4 kg
- 5.4 kg
- 7.5 kg
- 6.8 kg
- 7.4 kg
- 5.8 kg
- 5.9 kg
- 6.9 kg

#### Price (DAP)

- € 18.10
- € 16.50
- € 38.50
- € 49.80
- € 27.10
- € 30.10
- € 43.50
- € 35.80



The Barrier Post - Steel tube Ø 60 x 2.6 mm with welded steel cap and 900 mm above ground, are Hot Dip Galvanized and white coated with three 3M reflective stripes (color - RAL300). The triangular locking mechanism made acc. with DIN 3223, self-engaging lock.

The foldable post with Euro profile lock, Triangular lock and Padlock, either fixed by plugs or with ground socket article no: 541-A6, available separately, Refer Page 19

Note: Order also accepted with only Hot Dip Galvanizing



#### Eyelets

inner diameter Ø20mm  
outer diameter Ø35mm



44-76-Typ1



44-76-Typ2



44-76-Typ3



44-76-Typ4



44-76-Typ5



44-76-Typ6



**Barrier post Ø 76 x 2.6 mm**

Many variety with above ground 900 mm

**Article.**

Stationary post for casting in concrete (with 2 eyelets)

Stationary post to be fixed by plugs (with 2 eyelets)

Removable post with Triangle lock and included ground socket (with 2 eyelets)

Removable post with Euro profile cylinder lock and included ground socket (with 2 eyelets)

Foldable post with Triangle lock

Foldable post with Euro profile cylinder lock

**Article no.**

44-76-Typ1

44-76-Typ2

44-76-Typ3

44-76-Typ4

44-76-Typ5

44-76-Typ6

**Weight.**

6.6 kg

5.3 kg

10.7 kg

11.1 kg

7.0 kg

8.4 kg

**Price (DAP)**

€ 20.10

€ 17.80

€ 46.00

€ 65.30

€ 36.30

€ 61.50



The Barrier Post - Steel tube Ø76x 2.6 mm with welded steel cap 900 mm above ground. The foldable post with Euro profile lock and Triangular lock either fixed by plugs or with ground socket article no: 541-A6, available separately, Refer Page 19.

Note: Order also accepted with only Hot Dip Galvanizing

Also available in yellow/black, see work site protection pages 129 ff



# Barrier Post - Steel tube Ø 101



44-101-Typ1



44-101-Typ2



44-101-Typ3



## Steel tube bollards Ø 101 x 3 mm

Stationary for casting in concrete

## Steel tube bollards Ø 101 x 3 mm

for temporary removable including ground socket

### Article.

- Stationary post for casting in concrete
- Stationary post to be fixed by plugs
- Removable post with Triangle lock and included ground socket

### Article no.

- 44-101-Typ1
- 44-101-Typ2
- 44-101-Typ3

### Weight.

- 9.8 kg
- 9.9 kg
- 14.5 kg

### Price (DAP)

- € 33.50
- € 33.80
- € 63.40



The Barrier Post - Steel tube Ø 101 x 3 mm with welded steel cap and 900 mm above ground, are Hot Dip Galvanized and white coated with three 3M reflective stripes (color - RAL300). The triangular locking mechanism made acc. with DIN 3223, self-engaging lock.

Note: Order also accepted with only Hot Dip Galvanizing



44-152-Typ1-A



44-152-Typ2



44-152-Typ3-A



44-152-Typ4



**Steel tube bollards Ø 152 x 3.6 mm**

Stationary for casting in concrete

**Steel tube bollards Ø 152 x 3.6 mm**

for temporary removable including ground socket

**Article.**

- Stationary bollards for casting in concrete, Length 1200mm
- Stationary bollards for casting in concrete, Length 1500mm
- Stationary bollards for casting in concrete, Length 2000mm
- Stationary bollards to be fixed by plugs, Length 1000mm
- Removable bollards without lock and included ground socket, Length 1500mm
- Removable bollards without lock and included ground socket, Length 2000mm
- Removable bollards with Triangular lock and included ground socket, Length 1000mm

| Article no.  | Weight. | Price (DAP) |
|--------------|---------|-------------|
| 44-152-Typ1A | 17.6 kg | € 54,10     |
| 44-152-Typ1B | 21.8kg  | € 67,50     |
| 44-152-Typ1C | 28.8 kg | € 89,00     |
| 44-152-Typ2  | 17.7 kg | € 60,00     |
| 44-152-Typ3A | 32.8 kg | € 130,00    |
| 44-152-Typ3B | 39.8 kg | € 156,00    |
| 44-152-Typ4  | 21.7kg  | € 93,00     |



Note: Order also accepted with only Hot Dip Galvanizing

Also available in yellow/black, see work site protection pages 129 ff





**Steel tube bollards Ø 193 x 3.6 mm**

Stationary for casting in concrete

**Steel tube bollards Ø 193 x 3.6 mm**

for temporary removable including ground socket

**Article.**

- Stationary bollards for casting in concrete, Length 1200mm
- Stationary bollards for casting in concrete, Length 1500mm
- Stationary bollards for casting in concrete, Length 2000mm
- Stationary bollards to be fixed by plugs, Length 1000mm
- Removable bollards without lock and included ground socket, Length 1500mm
- Removable bollards without lock and included ground socket, Length 2000mm
- Removable bollards with Triangular lock and included ground socket, Length 1000mm

| Article no.   | Weight. | Price (DAP) |
|---------------|---------|-------------|
| 44-193-Typ1-A | 22.5 kg | € 77,60     |
| 44-193-Typ1-B | 27.9 kg | € 96,00     |
| 44-193-Typ1-C | 36.8 kg | € 126,50    |
| 44-193-Typ2   | 27.1 kg | € 101,00    |
| 44-193-Typ3-A | 27.6 kg | € 180,50    |
| 44-193-Typ3-B | 51.0 kg | € 218,00    |
| 44-193-Typ4   | 25.7 kg | € 160,00    |



These post are Hot Dip Galvanized and white coated with three reflective three 3M reflective stripes (color - RAL300). The triangular locking mechanism made acc. with DIN 3223, self-engaging lock.

Note: Order also accepted with only Hot Dip Galvanizing



These heavy bollards can be used as collision protection, especially in front of entrances, halls, petrol stations, etc. They can also protect roof overhangs or serve as a guide Bollards in front of ramps, gates etc.

**Steel tube bollards Ø 273 x 5.0 mm**  
Stationary, for casting in concrete with welded steel cap



**Article.**

- Stationary bollards for casting in concrete, Length 1500mm
- Stationary bollards for casting in concrete, Length 2000mm
- Stationary bollards to be fixed by plugs, Length 1500mm

| Article no.   | Weight. | Price (DAP) |
|---------------|---------|-------------|
| 44-273-Typ1-A | 51.3 kg | € 188,00    |
| 44-273-Typ1-B | 67.8 kg | € 249,00    |
| 44-273-Typ2   | 59.0 kg | € 234,00    |



HDG Bollards



Stickered Bollards



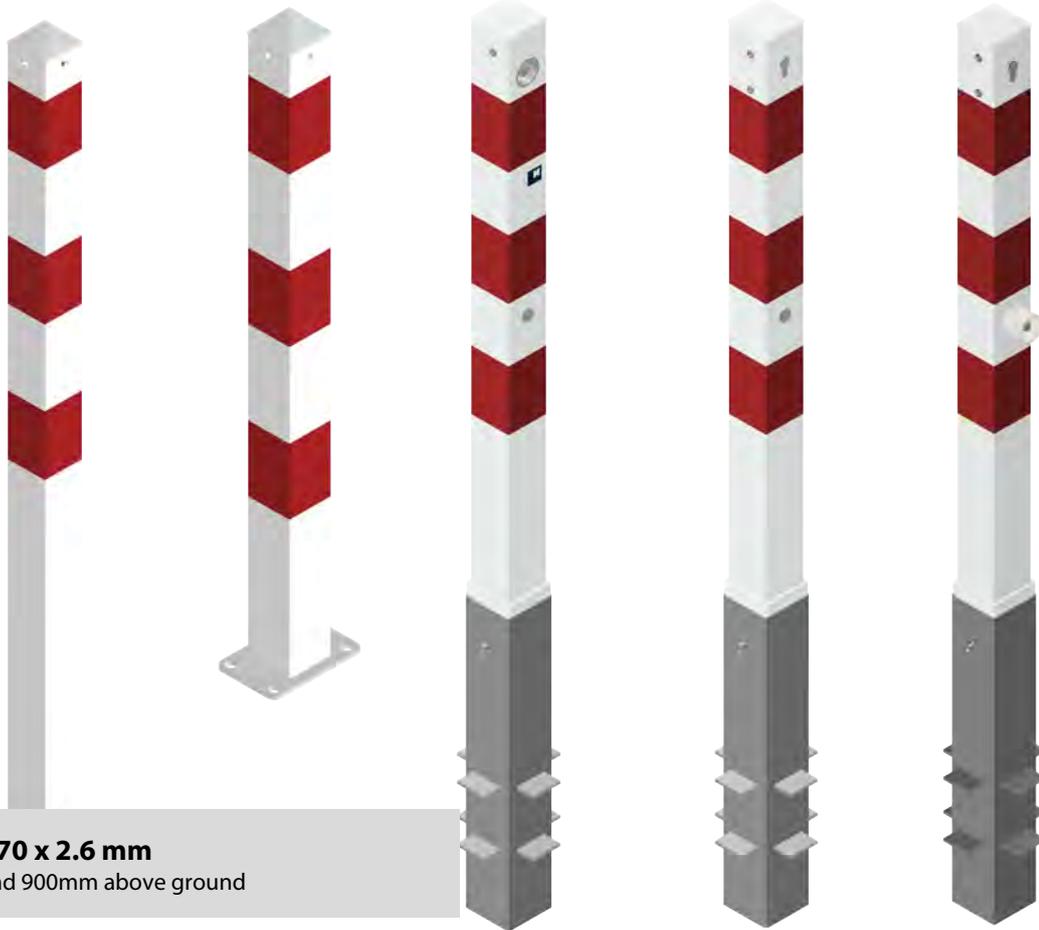
Packed Bollards

## Barrier Post - Steel tube 70 x 70 (Unfoldable)

N



These barrier posts can be opened both with a Euro profile cylinder key and a triangular wrench that conforms with DIN 3232. This ensures that the fire brigade and rescue services have access at any time.



**Barrier post 70 x 70 x 2.6 mm**  
removable with key and 900mm above ground

**Article.**

- Stationary post for casting in concrete
- Stationary post to be fixed by plugs
- Removable post with Triangle lock and included ground socket
- Removable post with Euro profile cylinder lock and included ground socket
- Removable post with **Combo** "Triangle & Euro profile cylinder lock "and included ground socket

**Article no.**

- 55-70-Typ1
- 55-70-Typ2
- 55-70-Typ5
- 55-70-Typ4
- 55-70-Typ7

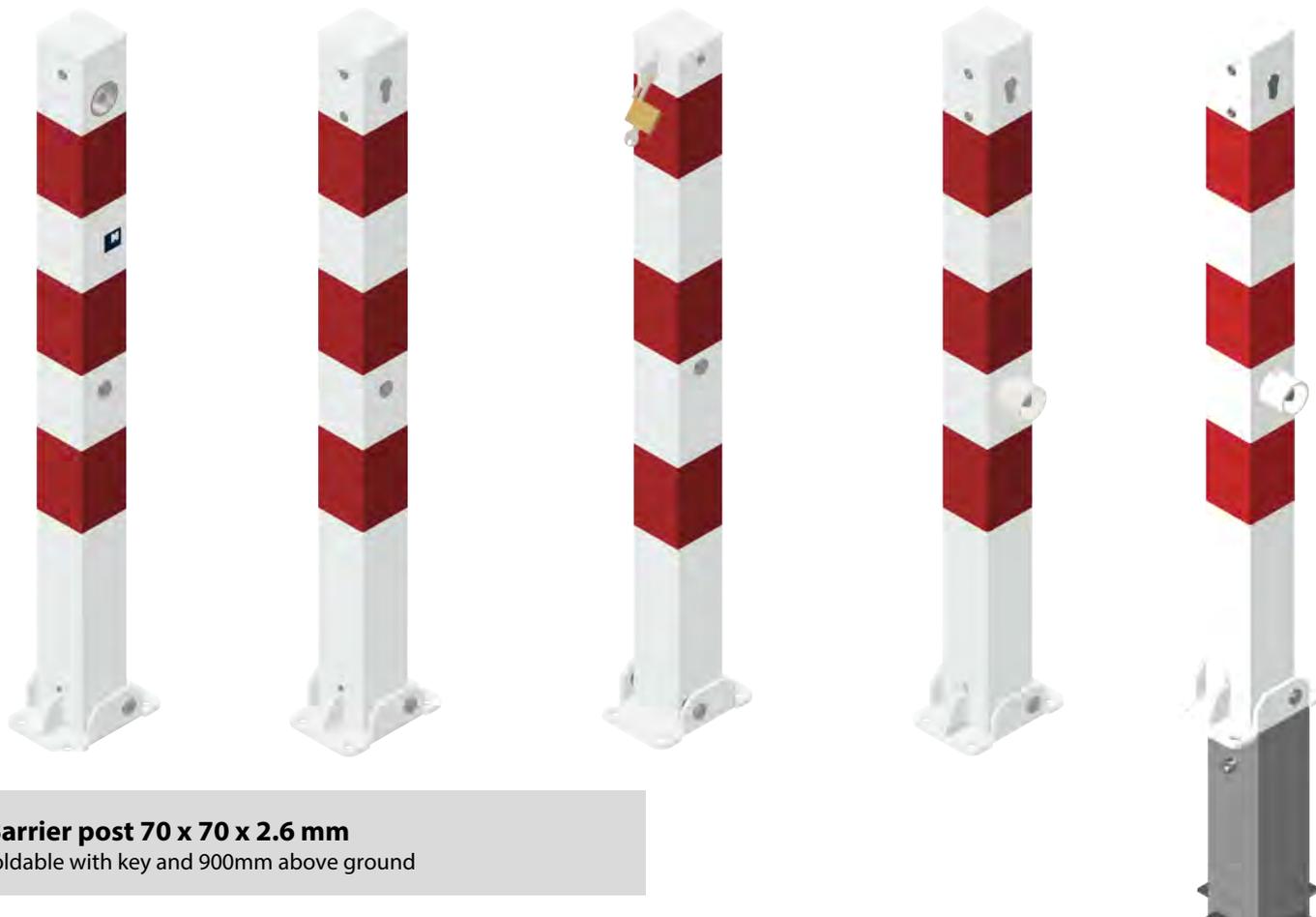
**Weight. Price (DAP)**

- 7.7 kg € 24,60
- 6.9 kg € 24,60
- 15.5 kg € 47,00
- 14.3 kg € 53,00
- 14.2 kg € 59,00



These stationary and removable Post are Hot Dip Galvanized and white coated with three 3M reflective stripes (color - RAL300). The triangular locking mechanism made acc. with DIN 3223, self-engaging lock.

Note: Order also accepted with only Hot Dip Galvanizing and Option for post with eyelets too available



**Barrier post 70 x 70 x 2.6 mm**  
foldable with key and 900mm above ground

**Article.**

- Foldable post with Triangle lock
- Foldable post with Euro profile cylinder lock
- Foldable post with hook (option to lock with padlock)
- Foldable post with **Combo** "Triangle & Euro profile cylinder lock "
- Foldable & Removable post with **Combo** "Triangle & cylinder lock "and incl ground socket

**Article no.**

- 55-70-Typ6
- 55-70-Typ3
- 55-70-Typ10
- 55-70-Typ8
- 55-70-Typ9

**Weight.**

- 8.7 kg
- 8.7 kg
- 8.1 kg
- 7.6 kg
- 13.4 kg

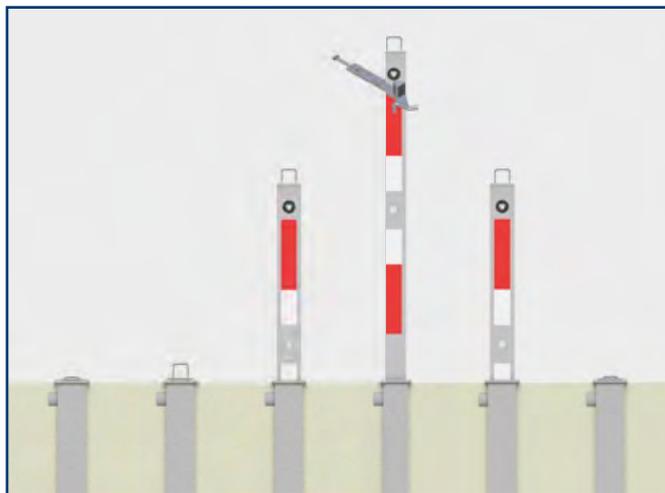
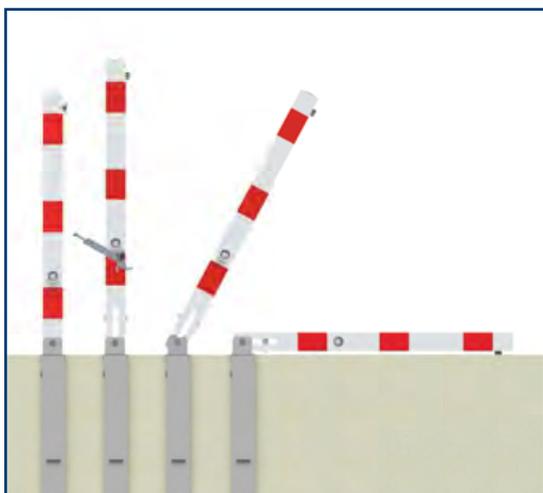
**Price (DAP)**

- € 53,00
- € 49,00
- € 59,00
- € 64,00
- € 59,00



The Barrier Post - Steel tube 70 x 70 mm with welded steel cap 900 mm above ground, are foldable post with Euro profile lock and Triangular lock either fixed by plugs or with ground socket article no: 541-A6, available separately, Refer Page 19.

Note: Order also accepted with only Hot Dip Galvanizing and Option for post with eyelets too available



**Barrier post 70 x 70 x 2.6 mm**

Foldable, with locking with lifting and tilting mechanism,

**Barrier post 70 x 70 x 2.6 mm**

Fully retractable with locking system

**Article.**

- Foldable post with Triangle lock
- Foldable post with Euro profile cylinder lock
- Retractable post with Triangle lock
- Retractable post with Euro profile cylinder lock

**Article no.**

- 55-70-Typ11
- 55-70-Typ12
- 55-70-Typ13
- 55-70-Typ14

**Weight.**

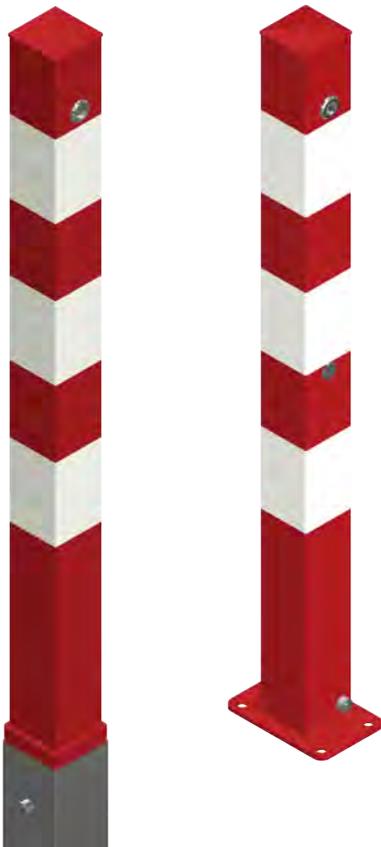
- 12.6 kg
- 12.1 kg
- 16.8 kg
- 17.1 kg

**Price (DAP)**

- € 53,00
- € 73,00
- € 93,00
- € 97,00



Note: Order also accepted with only Hot Dip Galvanizing



with 8mm triangular lock



8mm key  
Article no N575



**Barrier post 70 x 70 x 2.6 mm** - With 8 mm triangular locking alternative to the conventional triangular lock

**Barrier post 70 x 70 x 2.6 mm** - This 500 mm high post is very suitable for parking situation without enough space

**Article.**

- Removable post with 8mm Triangle lock and included ground socket
- Fordable post with 8mm Triangle lock
- Foldable post with Triangle lock, above ground 500mm
- Foldable post with Euro profile cylinder lock , above ground 500mm

**Article no.**

- 55-70-Typ15
- 55-70-Typ16
- 55-70-Typ17
- 55-70-Typ18

**Weight.**

- 12.00 kg
- 7.6 kg
- 15.4 kg
- 6.0 kg

**Price (DAP)**

- € 76,00
- € 54,00
- € 40,00
- € 45,00



These post are Hot Dip Galvanized and coated with 3M reflective stripes (color - RAL300). The triangular locking mechanism made acc. with DIN 3223, self-engaging lock. the foldable post with Euro profile lock and Triangular lock either fixed by plugs or with ground socket article no: 541-A6, available separately, Refer Page 19.

Note: Order also accepted with only Hot Dip Galvanizing



**Passage and car-park barriers**

Square tube 70 x 70 mm with lateral round tube hoops with width approx. 800 mm and above ground 500 mm

**Passage and car-park barriers**

Square tube 70 x 70 mm with lateral round tube hoops with width approx. 800 mm and above ground 900 mm

**Article.**

- Foldable Car park barrier with triangular locking (above ground 500 mm)
- Foldable Car park barrier with Euro profile cylinder lock (above ground 500 mm)
- Foldable Car park barrier with triangular locking (above ground 900 mm)
- Foldable Car park barrier with Euro profile cylinder lock (above ground 900 mm)
- Removable Car park barrier with Triangle lock and included ground socket
- Removable Car park barrier with Euro profile cylinder lock and included ground socket

**Article no.**

- 61-70-Typ3
- 61-70-Typ4
- 60-70-Typ3S
- 61-70-Typ2
- 60-70-Typ5S
- 61-70-Typ1

**Weight.**

- 7.8 kg
- 9.1 kg
- 10.7 kg
- 12.0 kg
- 7.0 kg
- 22.0 kg

**Price (DAP)**

- € 20.10
- € 17.80
- € 46.00
- € 65.30
- € 36.30
- € 61.50



The Car park barrier - Steel tube 70 x 70 mm with welded steel cap 900 mm above ground, are foldable post with Euro profile lock and Triangular lock either fixed by plugs or with ground socket article no: 541-A6, available separately, Refer Page 19.

Note: Order also accepted with only Hot Dip Galvanizing



Key Lock

with 8mm triangular lock

|  |  |
|--|--|
| <p><b>Passage and car-park barriers</b><br/>Square tube 70 x 70 mm with lateral round tube hoops with width approx. 800 mm and above ground 500 mm</p> | <p><b>Passage and car-park barriers</b><br/>Square tube 70 x 70 mm with lateral round tube hoops with width approx. 800 mm and above ground 900 mm</p> |
|--|--|

| <b>Article.</b>  | <b>Article no.</b> | <b>Weight.</b> | <b>Price (DAP)</b> |
|--|--------------------|----------------|--------------------|
| Foldable Car park barrier with Euro profile cylinder lock (above ground 500 mm)                | 61-70-Typ1         | 9.1 kg         | € 20.10            |
| For casting in concrete Car park barrier with Euro profile cylinder lock (above ground 500 mm) | 61-70-Typ2         | 7.6 kg         | € 17.80            |
| Foldable Car park barrier with 8mm triangle lock (above ground 500 mm)                         | 61-70-Typ3         | 9.1 kg         | € 46.00            |
| For casting in concrete Car park barrier with 8mm triangle lock (above ground 500 mm)          | 61-70-Typ4         | 7.6 kg         | € 65.30            |



The Barrier Post - Steel tube 70 x 70 mm with welded steel cap 900 mm above ground, are foldable post with Euro profile lock and Triangular lock, either fixed by plugs or with ground socket article no: 541-A6, available separately, Refer Page 1976.

Note: Order also accepted with only Hot Dip Galvanizing and Option for post with eyelets too available



**Article.**

- Foldable Car park barrier with triangular locking (above ground 500 mm)
- Foldable Car park barrier with Euro profile cylinder lock (above ground 500 mm)
- Foldable Car park barrier with triangular locking (above ground 900 mm)
- Foldable Car park barrier with Euro profile cylinder lock (above ground 900 mm)
- Removable Car park barrier with Triangle lock and included ground socket
- Removable Car park barrier with Euro profile cylinder lock and included ground socket

**Article no.**

- 44-76-Typ1
- 44-76-Typ2
- 44-76-Typ3
- 44-76-Typ4
- 44-76-Typ5
- 44-76-Typ6

**Weight.**

- 6.6 kg
- 5.3 kg
- 10.7 kg
- 11.1 kg
- 7.0 kg
- 8.4 kg

**Price (DAP)**

- € 20.10
- € 17.80
- € 46.00
- € 65.30
- € 36.30
- € 61.50



The Car park barrier - Steel tube 70 x 70 mm with welded steel cap 900 mm above ground, are foldable post with Euro profile lock and Triangular lock either fixed by plugs or with ground socket article no: 541-A6, available separately, Refer Page 1976.

Note: Order also accepted with only Hot Dip Galvanizing



**Car park barrier**

Made of thick-walled round steel tube Ø 33.7 x 2.5 mm height approx. 450 mm, width approx. 850 mm, extremely flat when folded down, approx. 45 mm high



61-70-Typ12



61-70-Typ13



61-70-Typ14

**Article.**

- Foldable Car park barrier with triangular locking (above ground 500 mm)
- Foldable Car park barrier with Euro profile cylinder lock (above ground 500 mm)
- Foldable Car park barrier with triangular locking (above ground 900 mm)
- Foldable Car park barrier with Euro profile cylinder lock (above ground 900 mm)
- Removable Car park barrier with Triangle lock and included ground socket
- Removable Car park barrier with Euro profile cylinder lock and included ground socket

**Article no.**

- 44-76-Typ1
- 44-76-Typ2
- 44-76-Typ3
- 44-76-Typ4
- 44-76-Typ5
- 44-76-Typ6

**Weight.**

- 6.6 kg
- 5.3 kg
- 10.7 kg
- 11.1 kg
- 7.0 kg
- 8.4 kg

**Price (DAP)**

- € 20.10
- € 17.80
- € 46.00
- € 65.30
- € 36.30
- € 61.50



The Car park barrier - Steel tube 70 x 70 mm with welded steel cap 900 mm above ground, are foldable post with Euro profile lock and Triangular lock either fixed by plugs or with ground socket article no: 541-A6, available separately, Refer Page 1976.

Note: Order also accepted with only Hot Dip Galvanizing

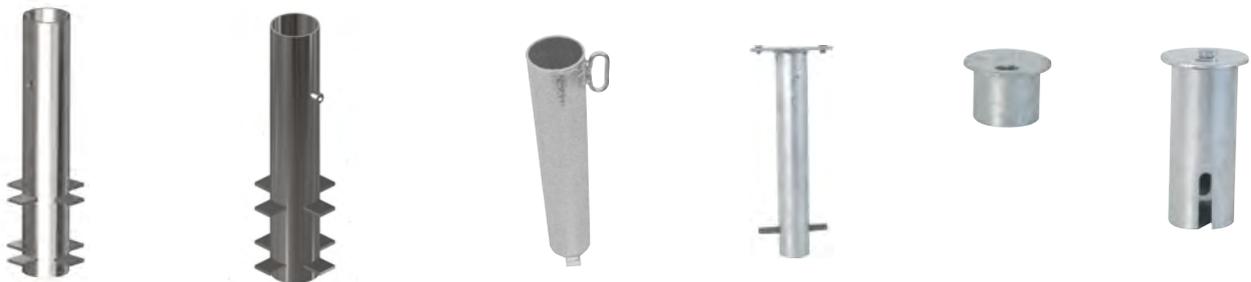


**Multipurpose wrench, Triangular Key for posts and barriers**

Article no. N570 - Grey cast multipurpose wrench made acc. with DIN 3223, for all barrier posts with triangular locking mechanism and for opening the covers

Article no. N571 - Triangle wrench made acc. with DIN 3223, for all barrier posts with triangular lock

| Article.                   | Article no. | Weight. | Price (DAP) |
|----------------------------|-------------|---------|-------------|
| Multipurpose wrench        | N570        | 0.4 kg  | € 3,90      |
| Triangular wrench          | N571        | 0.2 kg  | € 2,90      |
| Square socket wrench (6mm) | N573        | 0.2 kg  | € 2,00      |
| Triangular wrench (8mm)    | N575        | 0.1 kg  | € 2,20      |



**Ground sockets and cover for Barrier Post - Steel tube Ø 60**

| Article.  | Article no. | Weight. | Price (DAP) |
|---|-------------|---------|-------------|
| Ground socket for Barrier post Ø 60 mm without locking mechanism                  | 541-A3      | 2.1 kg  | € 7,70      |
| Ground socket for Barrier post Ø 60 mm with locking mechanism                     | 541-A4      | 2.1 kg  | € 7,70      |
| Ground socket for Barrier post Ø 60 mm locking mechanism for pad lock             | 541-A5      | 2.3 kg  | € 8,40      |
| Ground socket with mounted plate 100 x 150 (for folding barrier)                  | 541-A6      | 3.0 kg  | € 11,00     |
| Cover for Ø 60 ground socket without locking mechanism                            | N561        | 0.7 kg  | € 2,60      |
| Cover for Ø 60 ground socket with locking mechanism (open by Multipurpose wrench) | N562        | 1.0 kg  | € 3,70      |



**Ground sockets and cover for Barrier Post - Steel tube Ø 60 mm & Sq 70 x 70 mm**

| Article.   | Article no. | Weight. | Price (DAP) |
|--|-------------|---------|-------------|
| Ground socket for Barrier post Ø 76 mm without locking mechanism                           | 541-A8      | 3.3 kg  | € 12,10     |
| Ground socket for Barrier post Ø 76 mm with locking mechanism                              | 541-A9      | 3.3 kg  | € 17,80     |
| Cover for Ø 76 ground socket without locking mechanism                                     | N563        | 0.3 kg  | € 1,10      |
| Cover for Ø 76 ground socket with locking mechanism (open by Multipurpose wrench)          | N564        | 0.7 kg  | € 2,60      |
| Ground socket for Barrier post Sq 70 x 70 mm without locking mechanism                     | 541-A1      | 4.4 kg  | € 16,10     |
| Ground socket for Barrier post Sq 70 x 70 mm with locking mechanism                        | 541-A2      | 4.4 kg  | € 16,10     |
| Cover for Sq 70 x 70 mm ground socket without locking mechanism                            | N565        | 0.4 kg  | € 1,50      |
| Cover for Sq 70 x 70 mm ground socket with locking mechanism (open by Multipurpose wrench) | N566        | 0.8 kg  | € 3,00      |



Ø 60 mm  
Series N565D



Ø 60 mm  
Series N566D



Ø 76 mm  
Series N575D



Ø 82 mm  
Series N584D



Ø 82 mm  
Series N585D



Ø 89 mm  
Series N588D

Ø 76 mm  
Series N574D

Ø 76 mm  
Series N578D

Ø 102 mm  
Series N592D



Ø 60 mm  
Series N568D



Ø 60 mm / Ø 82 mm  
Series N564D/N582D



Ø 82 mm  
Series N580D



Ø 82 mm  
Series N581D



Ø 76 mm  
Series N577D



Ø 76 mm  
Series N5074D

Ø 89 mm  
Series N587D

Ø 150 mm / Ø 193 mm  
Series N50155D / N5195D

Ø 102mm  
Series N596D

Ø 89 mm  
Series N5084D

Ø 102 mm  
Series N594D

Ø 100 mm  
Series N50101D

Ø 120 mm



Ø 60 / 110 mm  
Series N590D



Ø 72 / 160 mm  
Series N595D  
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Ø 76 / 100 mm  
Series N579D



Ø 76 / 102 mm  
Series N50102D



Ø 96 / 168 mm  
Series N50168D



Ø 108 mm  
Series N597D



Ø 140 mm  
Series N50140D



70 x 70 mm  
Series N573D



70 x 70 mm  
Series N5073D



70 x 70 mm  
Series N50731D

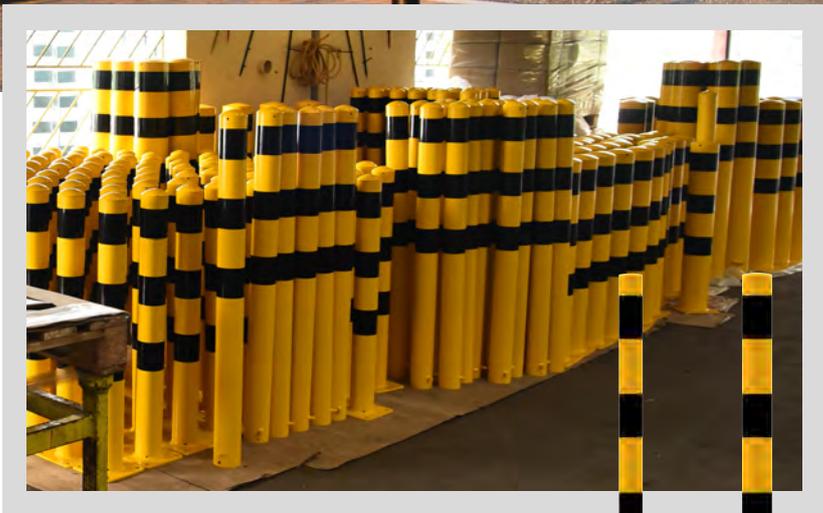


70 x 70 mm  
Series N5071D

100 x 100 mm  
Series N5075D



## **2. Work Site Protection**



**Industrial safety bollards** - Protect people, buildings, assets and etc.



**Article.**

- Stationary Ø 60 x 2.6mm bollards for casting in concrete, above ground 900mm
- Stationary Ø 76 x 2.6mm bollards for casting in concrete, above ground 900mm
- Stationary Ø 101 x 3.0mm bollards for casting in concrete, above ground 900mm
- Stationary Ø 152 x 3.6mm bollards for casting in concrete, above ground 1200mm
- Stationary Ø 152 x 3.6mm bollards for casting in concrete, above ground 1500mm
- Stationary Ø 152 x 3.6mm bollards for casting in concrete, above ground 2000mm
- Stationary Ø 193 x 3.6mm bollards for casting in concrete, above ground 1200mm
- Stationary Ø 193 x 3.6mm bollards for casting in concrete, above ground 1500mm
- Stationary Ø 193 x 3.6mm bollards for casting in concrete, above ground 2000mm
- Stationary Ø 273 x 5mm bollards for casting in concrete, above ground 1500mm
- Stationary Ø 273 x 5mm bollards for casting in concrete, above ground 2000mm

**Article no.**

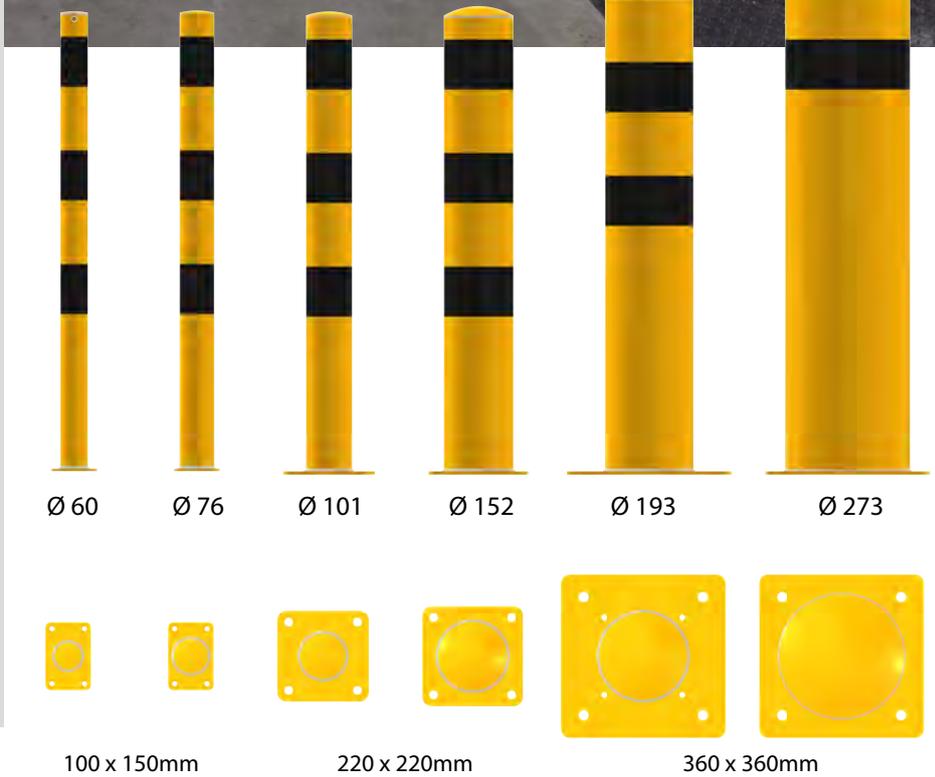
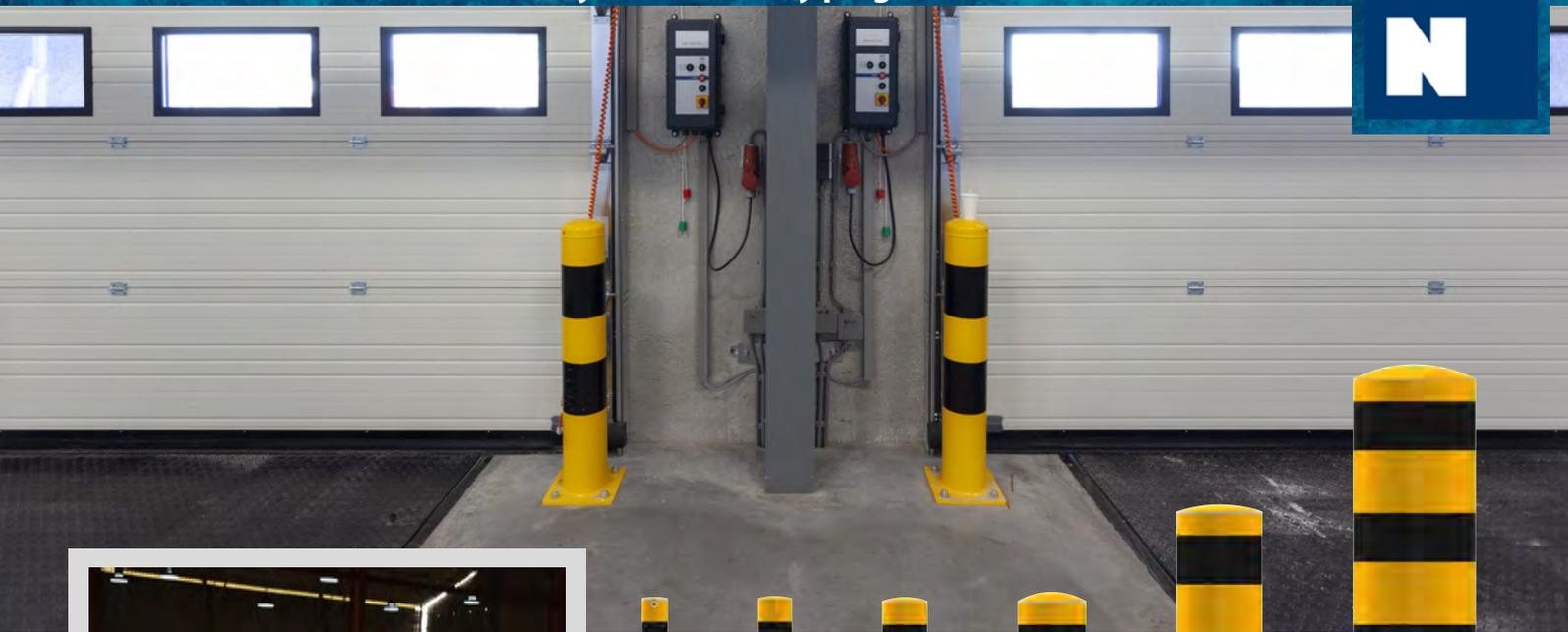
| Article no.   | Weight. | Price (DAP) |
|---------------|---------|-------------|
| 66-60-Typ1    | 5.3 kg  | € 17,50     |
| 66-76-Typ1    | 6.8 kg  | € 22,50     |
| 66-101-Typ1   | 10.4 kg | € 43,95     |
| 66-152-Typ1-A | 17.5 kg | € 65,00     |
| 66-152-Typ1-B | 21.6 kg | € 76,00     |
| 66-152-Typ1-C | 28.6 kg | € 88,00     |
| 66-193-Typ1-A | 22.4 kg | € 89,00     |
| 66-193-Typ1-B | 27.8 kg | € 102,10    |
| 66-193-Typ1-C | 36.7 kg | € 125,60    |
| 66-273-Typ1-A | 54.4 kg | € 215,00    |
| 66-273-Typ1-B | 72.0 kg | € 310,00    |



These post are Hot Dip Galvanized and Signal yellow coated (RAL1003) with three 3M reflective Jet Black stripes (RAL 9005 ) furthermore order on customized size is accepted.

Note: Order also accepted with only Hot Dip Galvanizing

# Bollards - Stationary to be fixed by plugs from Ø 60mm to Ø 273mm



**Article.**

- Stationary Ø 60 x 2.6mm bollards to be fixed by plug, above ground 900mm
- Stationary Ø 76 x 2.6mm bollards to be fixed by plug, above ground 900mm
- Stationary Ø 101 x 3.0mm bollards to be fixed by plug, above ground 1000mm
- Stationary Ø 152 x 3.2mm bollards to be fixed by plug, above ground 1000mm
- Stationary Ø 152 x 3.2mm bollards to be fixed by plug, above ground 1500mm
- Stationary Ø 193 x 3.6mm bollards to be fixed by plug, above ground 1200mm
- Stationary Ø 193 x 3.6mm bollards to be fixed by plug, above ground 1500mm
- Stationary Ø 273 x 5.0mm bollards for be fixed by plug, above ground 1200mm
- Stationary Ø 273 x 5.0mm bollards for be fixed by plug, above ground 1500mm

**Article no.**

| Article no.   | Weight. | Price (DAP) |
|---------------|---------|-------------|
| 66-60-Typ2    | 4.7 kg  | € 16,10     |
| 66-76-Typ2    | 6.0 kg  | € 20,50     |
| 66-101-Typ2   | 10.5 kg | € 46,10     |
| 66-152-Typ2-A | 16.1 kg | € 76,83     |
| 66-152-Typ2-B | 22.3 kg | € 105,37    |
| 66-193-Typ2-A | 30.6 kg | € 127,32    |
| 66-193-Typ2-B | xx.x kg | € xx,xx     |
| 66-273-Typ2-A | xx.x kg | € xx,xx     |
| 66-273-Typ2-B | 62.5 kg | € 267,80    |



These post are Hot Dip Galvanized and Signal yellow coated (RAL1003) with three 3M reflective Jet Black stripes (RAL 9005 ) furthermore order on customized size is accepted.

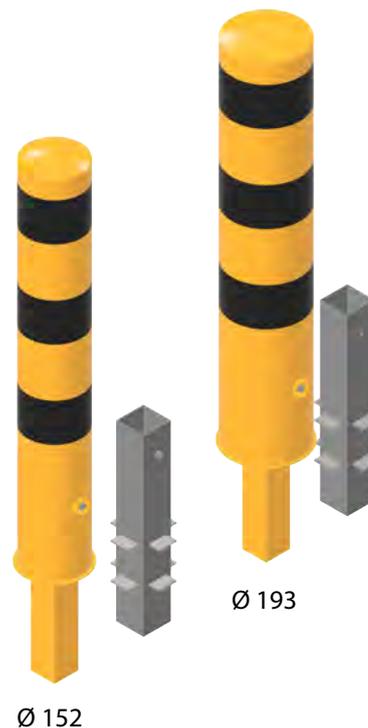
Note: Order also accepted with only Hot Dip Galvanizing



bollards without locking mechanism



bollards with locking mechanism



**Article.**

- Removable Ø 152 x 3.6mm bollards without locking mechanism, above ground 1500mm
- Removable Ø 152 x 3.6mm bollards without locking mechanism, above ground 2000mm
- Removable Ø 193 x 3.6mm bollards without locking mechanism, above ground 1500mm
- Removable Ø 193 x 3.6mm bollards without locking mechanism, above ground 2000mm
- Removable Ø 152 x 3.6mm bollards with triangular locking mechanism, above ground 1000mm
- Removable Ø 193 x 3.6mm bollards with triangular locking mechanism, above ground 1000mm

**Article no.**

- 66-152-Typ5-A
- 66-152-Typ5-B
- 66-193-Typ3-A
- 66-193-Typ3-B
- 66-152-Typ4
- 66-193-Typ4

**Weight.**

- 32.3 kg
- 36.7 kg
- 41.8 kg
- 50.8 kg
- 22.8 kg
- 27.6 kg

**Price (DAP)**

- € 104,00
- € 134,50
- € 156,00
- € 188,00
- € 116,00
- € 160,00



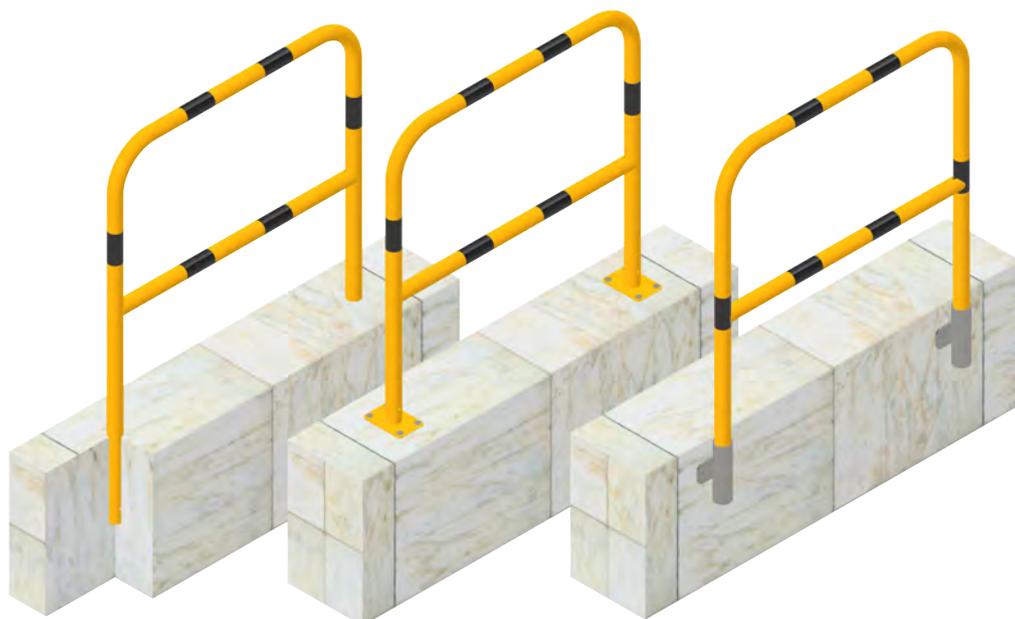
These post are Hot Dip Galvanized and Signal yellow coated (RAL1003) with three 3M reflective Jet Black stripes (RAL 9005 ) furthermore order on customized size is accepted.

Note: Order also accepted with only Hot Dip Galvanizing





**Safety Hoop** - Protection for entrance, ramps, separations, etc.



**Article. for Casting in concrete**

- Barrier Loop Ø 48 x 2.6mm, Height 1000mm x Width 1000mm
- Barrier Loop Ø 48 x 2.6mm, Height 1000mm x Width 1500mm
- Barrier Loop Ø 48 x 2.6mm, Height 1000mm x Width 2000mm
- Barrier Loop Ø 60 x 2.6mm, Height 1000mm x Width 1000mm
- Barrier Loop Ø 60 x 2.6mm, Height 1000mm x Width 1500mm
- Barrier Loop Ø 60 x 2.6mm, Height 1000mm x Width 2000mm

**Article. for Plugging down**

- Barrier Loop Ø 48 x 2.6mm, Height 1000mm x Width 1000mm
- Barrier Loop Ø 48 x 2.6mm, Height 1000mm x Width 1500mm
- Barrier Loop Ø 48 x 2.6mm, Height 1000mm x Width 2000mm
- Barrier Loop Ø 60 x 2.6mm, Height 1000mm x Width 1000mm
- Barrier Loop Ø 60 x 2.6mm, Height 1000mm x Width 1500mm
- Barrier Loop Ø 60 x 2.6mm, Height 1000mm x Width 2000mm

**Article. for Wall mounting**

- Barrier Loop Ø 48 x 2.6mm, Height 1000mm x Width 700mm
- Barrier Loop Ø 48 x 2.6mm, Height 1000mm x Width 1000mm
- Barrier Loop Ø 48 x 2.6mm, Height 1000mm x Width 1200mm
- Barrier Loop Ø 60 x 2.6mm, Height 1000mm x Width 700mm
- Barrier Loop Ø 60 x 2.6mm, Height 1000mm x Width 1000mm
- Barrier Loop Ø 60 x 2.6mm, Height 1000mm x Width 1200mm

| Article no.     | Weight. | Price (DAP) |
|-----------------|---------|-------------|
| 33-48-Typ1-1m   | 12.8 kg | € 42,50     |
| 33-48-Typ1-1.5m | 15.8 kg | € 52,00     |
| 33-48-Typ1-2m   | 18.8 kg | € 62,00     |
| 33-60-Typ1-1m   | 15.7 kg | € 52,00     |
| 33-60-Typ1-1.5m | 19.7 kg | € 65,00     |
| 33-60-Typ1-2m   | 24.3 kg | € 80,00     |
| 33-48-Typ2-1m   | 12.4 kg | € 40,90     |
| 33-48-Typ2-1.5m | 15.4 kg | € 51,00     |
| 33-48-Typ2-2m   | 20.2 kg | € 66,70     |
| 33-60-Typ2-1m   | 16.5 kg | € 54,50     |
| 33-60-Typ2-1.5m | 20.5 kg | € 68,00     |
| 33-60-Typ2-2m   | 24.3 kg | € 80,00     |
| 33-48-Typ3-0.7m | 11.5 kg | € 38,00     |
| 33-48-Typ3-1m   | 13.5 kg | € 44,00     |
| 33-48-Typ3-1.2m | 14.5 kg | € 48,00     |
| 33-60-Typ3-0.7m | 14.5 kg | € 47,50     |
| 33-60-Typ3-1m   | 18.9 kg | € 62,50     |
| 33-60-Typ3-1.2m | 19.5 kg | € 64,50     |

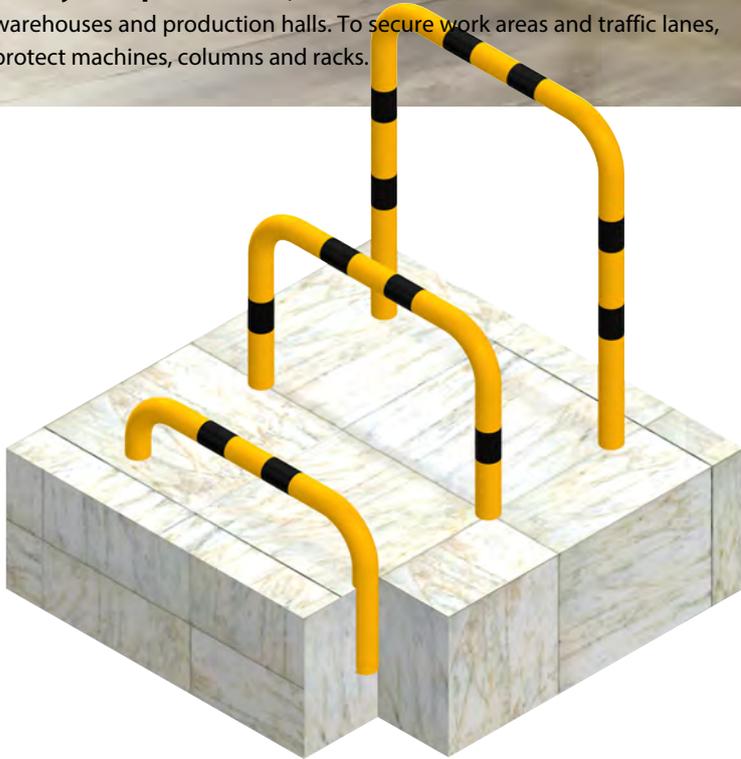


These post are Hot Dip Galvanized and Signal yellow coated (RAL1003) with 3M reflective Jet Black stripes (RAL 9005 ) furthermore order on customized size is accepted.

Note: Order also accepted with only Hot Dip Galvanizing



**Safety Hoop** - Effective protection for indoor and outdoor areas, warehouses and production halls. To secure work areas and traffic lanes, protect machines, columns and racks.



**Article. for Casting in concrete**

- Barrier Loop Ø 76 x 2.6mm, Height 250mm x Width 400mm
- Barrier Loop Ø 76 x 2.6mm, Height 250mm x Width 750mm
- Barrier Loop Ø 76 x 2.6mm, Height 250mm x Width 1000mm
- Barrier Loop Ø 76 x 2.6mm, Height 650mm x Width 400mm
- Barrier Loop Ø 76 x 2.6mm, Height 650mm x Width 750mm
- Barrier Loop Ø 76 x 2.6mm, Height 650mm x Width 1000mm
- Barrier Loop Ø 76 x 2.6mm, Height 1150mm x Width 400mm
- Barrier Loop Ø 76 x 2.6mm, Height 1150mm x Width 750mm
- Barrier Loop Ø 76 x 2.6mm, Height 1150mm x Width 1000mm

**Article. for Plugging down**

- Barrier Loop Ø 76 x 3mm, Height 250mm x Width 400mm
- Barrier Loop Ø 76 x 3mm, Height 250mm x Width 750mm
- Barrier Loop Ø 76 x 3mm, Height 250mm x Width 1000mm
- Barrier Loop Ø 76 x 3mm, Height 650mm x Width 400mm
- Barrier Loop Ø 76 x 3mm, Height 650mm x Width 750mm
- Barrier Loop Ø 76 x 3mm, Height 650mm x Width 1000mm
- Barrier Loop Ø 76 x 3mm, Height 1150mm x Width 400mm
- Barrier Loop Ø 76 x 3mm, Height 1150mm x Width 750mm
- Barrier Loop Ø 76 x 3mm, Height 1150mm x Width 1000mm

| Article no.  | Weight. | Price (DAP) |
|--------------|---------|-------------|
| 33-76-Typ1-A | 6.2 kg  | € 20,50     |
| 33-76-Typ1-B | 7.8 kg  | € 26,00     |
| 33-76-Typ1-C | 9.1 kg  | € 30,00     |
| 33-76-Typ1-D | 10.2 kg | € 33,80     |
| 33-76-Typ1-E | 11.8 kg | € 39,00     |
| 33-76-Typ1-F | 13.1 kg | € 43,50     |
| 33-76-Typ1-G | 15.2 kg | € 50,10     |
| 33-76-Typ1-H | 16.8 kg | € 55,50     |
| 33-76-Typ1-I | 18.1 kg | € 60,00     |
| 33-76-Typ2-A | 5.0 kg  | € 16,50     |
| 33-76-Typ2-B | 6.8 kg  | € 22,50     |
| 33-76-Typ2-C | 8.2 kg  | € 27,00     |
| 33-76-Typ2-D | 9.5 kg  | € 31,50     |
| 33-76-Typ2-E | 11.3 kg | € 37,50     |
| 33-76-Typ2-F | 12.7 kg | € 42,00     |
| 33-76-Typ2-G | 15.1 kg | € 50,00     |
| 33-76-Typ2-H | 16.8 kg | € 55,50     |
| 33-76-Typ2-I | 18.2 kg | € 60,00     |

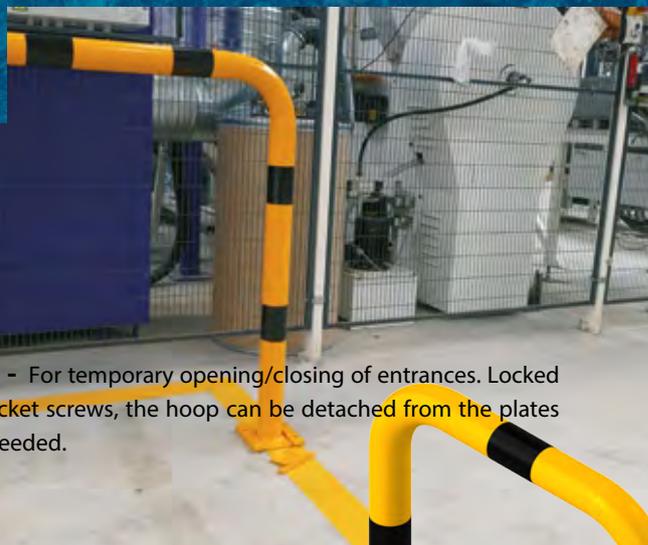


These post are Hot Dip Galvanized and Signal yellow coated (RAL1003) with 3M reflective Jet Black stripes (RAL 9005) furthermore order on customized size is accepted.

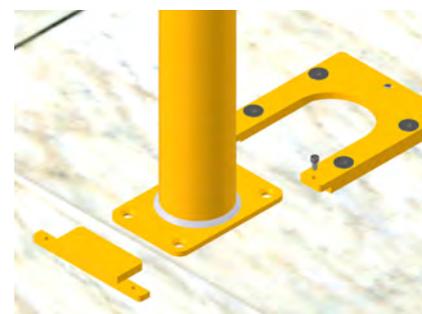
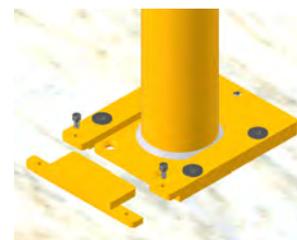
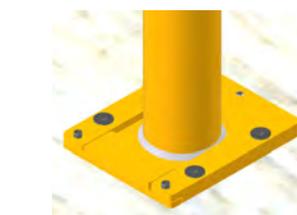
Note: Order also accepted with only Hot Dip Galvanizing

## Bollards post and hoop with detachable

N



**Safety Hoop** - For temporary opening/closing of entrances. Locked with hexagon socket screws, the hoop can be detached from the plates and inserted as needed.



### Article. Detachable barrier post for plugging down

Detachable  $\varnothing 76 \times 2.6\text{mm}$  barrier post, above ground 1000mm

Detachable Sq. 70 x 70 x 2.6mm barrier post, above ground 100mm

### Article no.

66-76-Typ3

66-70-Typ3

### Weight.

7.8 kg

7.9 kg

### Price (DAP)

€ 44,30

€ 46,00

### Article. Detachable anti-nudge hoop for plugging down

Detachable anti-nudge hoop  $\varnothing 76 \times 3\text{mm}$ , Height 650mm x Width 400mm

Detachable anti-nudge hoop  $\varnothing 76 \times 3\text{mm}$ , Height 650mm x Width 750mm

Detachable anti-nudge hoop  $\varnothing 76 \times 3\text{mm}$ , Height 650mm x Width 1000mm

Detachable anti-nudge hoop  $\varnothing 76 \times 3\text{mm}$ , Height 1150mm x Width 400mm

Detachable anti-nudge hoop  $\varnothing 76 \times 3\text{mm}$ , Height 1150mm x Width 750mm

Detachable anti-nudge hoop  $\varnothing 76 \times 3\text{mm}$ , Height 1150mm x Width 1000mm

33-76-Typ3-A

33-76-Typ3-B

33-76-Typ3-C

33-76-Typ3-D

33-76-Typ3-E

33-76-Typ3-F

12.7 kg

15.1 kg

16.5 kg

18.9 kg

20.7 kg

22.0 kg

€ 47,00

€ 55,50

€ 60,50

€ 69,50

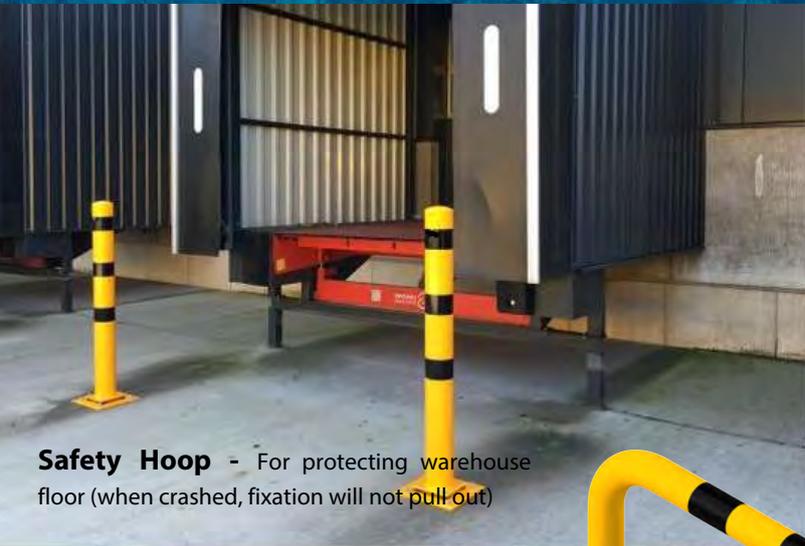
€ 76,00

€ 81,00



These post are Hot Dip Galvanized and Signal yellow coated (RAL1003) with three 3M reflective Jet Black stripes (RAL 9005) furthermore order on customized size is accepted.

Note: Order also accepted with only Hot Dip Galvanizing



**Safety Hoop** - For protecting warehouse floor (when crashed, fixation will not pull out)



**Article. Impact resistance barrier post for plugging down**

- Impact Ø 76 x 2.6mm barrier post, above ground 1000mm
- Impact Ø 152 x 3.6mm barrier post, above ground 1000mm
- Impact Sq. 70 x 70 x 2.6mm barrier post, above ground 100mm

**Article no.**

- 66-76-Typ4
- 66-152-Typ3
- 66-70-Typ4

**Weight.**

- 9.2 kg
- 24.2 kg
- 9.3 kg

**Price (DAP)**

- € 39,60
- € 106,00
- € 41,30

**Article. Impact resistance anti-nudge hoop for plugging down**

- Impact anti-nudge hoop Ø 76 x 3mm, Height 650mm x Width 400mm
- Impact anti-nudge hoop Ø 76 x 3mm, Height 650mm x Width 750mm
- Impact anti-nudge hoop Ø 76 x 3mm, Height 650mm x Width 1000mm
- Impact anti-nudge hoop Ø 76 x 3mm, Height 1150mm x Width 400mm
- Impact anti-nudge hoop Ø 76 x 3mm, Height 1150mm x Width 750mm
- Impact anti-nudge hoop Ø 76 x 3mm, Height 1150mm x Width 1000mm

- 33-76-Typ4-A
- 33-76-Typ4-B
- 33-76-Typ4-C
- 33-76-Typ4-D
- 33-76-Typ4-E
- 33-76-Typ4-F

- 15.9 kg
- 17.7 kg
- 19.1 kg
- 21.5 kg
- 23.3 kg
- 24.6 kg

- € 58,50
- € 65,00
- € 70,00
- € 79,00
- € 86,00
- € 90,50



These post are Hot Dip Galvanized and Signal yellow coated (RAL1003) with three 3M reflective Jet Black stripes (RAL 9005) furthermore order on customized size is accepted.

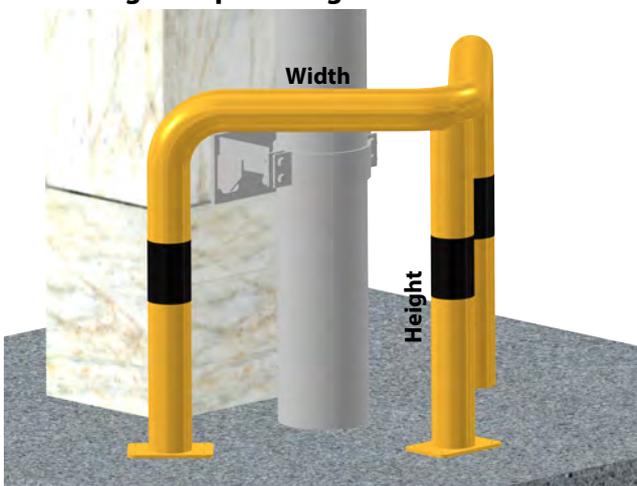
Note: Order also accepted with only Hot Dip Galvanizing

## Anti-nudge hoop Ø 76 mm

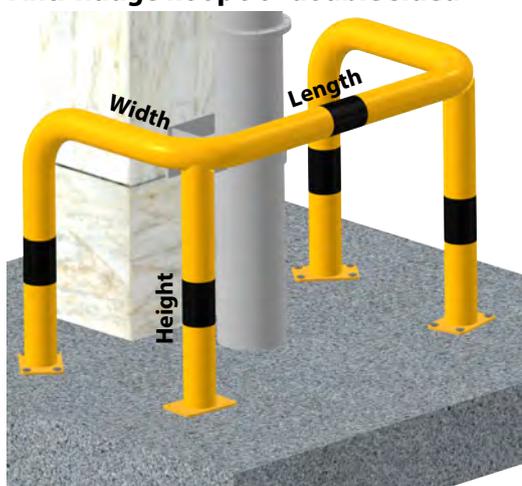
N



Anti-nudge hoop 90° single sided



Anti-nudge hoop 90° double sided



**Article. Anti-nudge hoop 90° single sided for casting in concrete**

- Anti-nudge hoop Ø 76 x 3mm, Height 650mm x Width 400mm
- Anti-nudge hoop Ø 76 x 3mm, Height 1150mm x Width 400mm
- Anti-nudge hoop Ø 76 x 3mm, Height 650mm x Width 600mm
- Anti-nudge hoop Ø 76 x 3mm, Height 1150mm x Width 600mm

**Article. Anti-nudge hoop 90° single sided for plugging down**

- Anti-nudge hoop Ø 76 x 3mm, Height 650mm x Width 400mm
- Anti-nudge hoop Ø 76 x 3mm, Height 1150mm x Width 400mm
- Anti-nudge hoop Ø 76 x 3mm, Height 650mm x Width 600mm
- Anti-nudge hoop Ø 76 x 3mm, Height 1150mm x Width 600mm

**Article. Anti-nudge hoop 90° double sided for casting in concrete**

- Anti-nudge hoop Ø 76 x 3mm, Height 650mm x Length 400mm x Width 750mm
- Anti-nudge hoop Ø 76 x 3mm, Height 1150mm x Length 400mm x Width 750mm
- Anti-nudge hoop Ø 76 x 3mm, Height 650mm x Length 400mm x Width 1000mm
- Anti-nudge hoop Ø 76 x 3mm, Height 1150mm x Length 400mm x Width 1000mm

**Article. Anti-nudge hoop 90° double sided for plugging down**

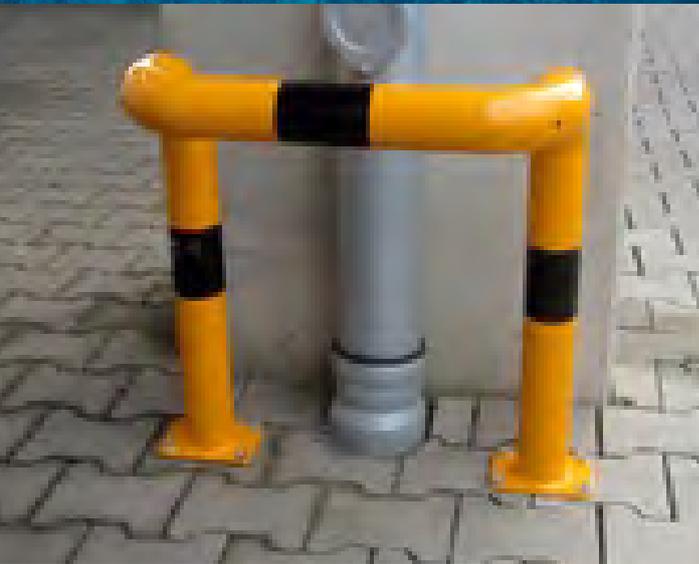
- Anti-nudge hoop Ø 76 x 3mm, Height 650mm x Length 400mm x Width 750mm
- Anti-nudge hoop Ø 76 x 3mm, Height 1150mm x Length 400mm x Width 750mm
- Anti-nudge hoop Ø 76 x 3mm, Height 650mm x Length 400mm x Width 1000mm
- Anti-nudge hoop Ø 76 x 3mm, Height 1150mm x Length 400mm x Width 1000mm

| Article no.     | Weight. | Price (DAP) |
|-----------------|---------|-------------|
| 67-3L-76-Typ1-A | 19.0 kg | € 93,00     |
| 67-3L-76-Typ1-B | 25.0 kg | € 123,00    |
| 67-3L-76-Typ1-C | 22.0 kg | € 108,00    |
| 67-3L-76-Typ1-D | 27.5 kg | € 135,00    |
| 67-3L-76-Typ2-A | 15.2 kg | € 75,00     |
| 67-3L-76-Typ2-B | 23.5 kg | € 115,00    |
| 67-3L-76-Typ2-C | 17.3 kg | € 85,00     |
| 67-3L-76-Typ2-D | 25.1 kg | € 126,00    |
| 67-4L-76-Typ1-A | 28.5 kg | € 140,00    |
| 67-4L-76-Typ1-B | 36.0 kg | € 178,00    |
| 67-4L-76-Typ1-C | 30.0 kg | € 148,00    |
| 67-4L-76-Typ1-D | 37.5 kg | € 184,00    |
| 67-4L-76-Typ2-A | 22.1 kg | € 108,00    |
| 67-4L-76-Typ2-B | 33.3 kg | € 163,00    |
| 67-4L-76-Typ2-C | 25.8 kg | € 108,00    |
| 67-4L-76-Typ2-D | 36.9 kg | € 160,00    |



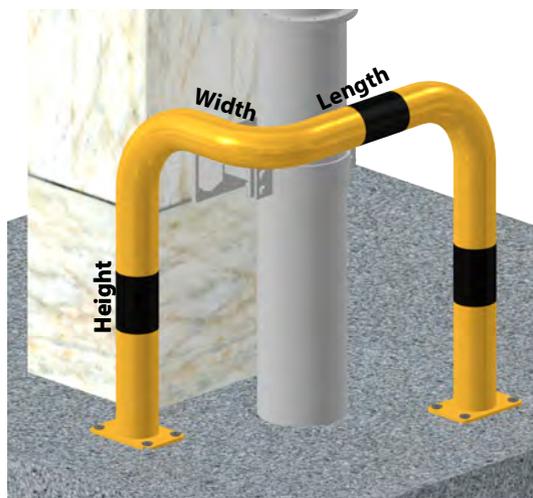
These post are Hot Dip Galvanized and Signal yellow coated (RAL1003) with 3M reflective Jet Black stripes (RAL 9005) furthermore order on customized size is accepted.

Note: Order also accepted with only Hot Dip Galvanizing



Anti-nudge hoop 90° single sided (deep)

Anti-nudge hoop 90° double sided (deep)



**Article. Anti-nudge hoop 90° single sided for casting in concrete (Deep)**

- Anti-nudge hoop Ø 76 x 3mm, Height 650mm x Length 400mm x Width 600mm (Right)
- Anti-nudge hoop Ø 76 x 3mm, Height 650mm x Length 400mm x Width 600mm (Left)
- Anti-nudge hoop Ø 76 x 3mm, Height 1150mm x Length 400mm x Width 600mm (Right)
- Anti-nudge hoop Ø 76 x 3mm, Height 1150mm x Length 400mm x Width 600mm (Left)

**Article. Anti-nudge hoop 90° single sided for plugging down (Deep)**

- Anti-nudge hoop Ø 76 x 3mm, Height 650mm x Length 400mm x Width 600mm (Right)
- Anti-nudge hoop Ø 76 x 3mm, Height 650mm x Length 400mm x Width 600mm (Left)
- Anti-nudge hoop Ø 76 x 3mm, Height 1150mm x Length 400mm x Width 600mm (Right)
- Anti-nudge hoop Ø 76 x 3mm, Height 1150mm x Length 400mm x Width 600mm (Left)

**Article. Anti-nudge hoop 90° double sided for casting in concrete (Deep)**

- Anti-nudge hoop Ø 76 x 3mm, Height 650mm x Length 400mm x Width 750mm
- Anti-nudge hoop Ø 76 x 3mm, Height 650mm x Length 400mm x Width 1000mm
- Anti-nudge hoop Ø 76 x 3mm, Height 1150mm x Length 400mm x Width 750mm
- Anti-nudge hoop Ø 76 x 3mm, Height 1150mm x Length 400mm x Width 1000mm

**Article. Anti-nudge hoop 90° double sided for plugging down (Deep)**

- Anti-nudge hoop Ø 76 x 3mm, Height 650mm x Length 400mm x Width 750mm
- Anti-nudge hoop Ø 76 x 3mm, Height 650mm x Length 400mm x Width 1000mm
- Anti-nudge hoop Ø 76 x 3mm, Height 1150mm x Length 400mm x Width 750mm
- Anti-nudge hoop Ø 76 x 3mm, Height 1150mm x Length 400mm x Width 1000mm

| Article no.   | Weight. | Price (DAP) |
|---------------|---------|-------------|
| 67-51-Typ1-AR | 14.0 kg | € 50,00     |
| 67-51-Typ1-BL | 14.0 kg | € 50,00     |
| 67-51-Typ1-CR | 19.5 kg | € 63,00     |
| 67-51-Typ1-DL | 19.5 kg | € 63,00     |
| 67-51-Typ2-AR | 12.0 kg | € 44,00     |
| 67-51-Typ2-BL | 12.0 kg | € 44,00     |
| 67-51-Typ2-CR | 17.6 kg | € 65,00     |
| 67-51-Typ2-DL | 17.6 kg | € 65,00     |
| 67-51-Typ1-A  | 14.7 kg | € 91,30     |
| 67-51-Typ1-B  | 17.5 kg | € 94,20     |
| 67-51-Typ1-C  | 19.5 kg | € 99,50     |
| 67-51-Typ1-D  | 21.0 kg | € 103,90    |
| 67-51-Typ2-A  | 13.1 kg | € 103,00    |
| 67-51-Typ2-B  | 15.7 kg | € 106,00    |
| 67-51-Typ2-C  | 17.1 kg | € 112,00    |
| 67-51-Typ2-D  | 19.4 kg | € 116,00    |



These post are Hot Dip Galvanized and Signal yellow coated (RAL1003) with three 3M reflective Jet Black stripes (RAL 9005 ) furthermore order on customized size is accepted.

Note: Order also accepted with only Hot Dip Galvanizing



**Safety Hoop** - protection for posts, pillars poles etc.

### Anti-nudge hoop for posts



### Crash guard with covered



#### Article. Anti-nudge hoop for plugging down

Anti-nudge hoop Ø 60 x 2.6mm, Height 650mm x Length 600mm x Width 600mm  
 Anti-nudge hoop Ø 60 x 2.6mm, Height 800mm x Length 800mm x Width 800mm

#### Article no.

67-55-Typ1-A  
 67-55-Typ1-B

#### Weight.

18.3 kg  
 21.0 kg

#### Price (DAP)

€ 100,00  
 € 116,00

#### Article. Crash guard with covered for plugging down

Crash guard with covered Ø 76 x 3mm, Height 650mm x Width 750mm  
 Crash guard with covered Ø 76 x 3mm, Height 650mm x Width 1000mm

67-90-Typ1-A  
 67-90-Typ1-B

18.1 kg  
 22.1 kg

€ 83,10  
 € 88,50



These post are Hot Dip Galvanized and Signal yellow coated (RAL1003) with 3M reflective Jet Black stripes (RAL 9005) furthermore order on customized size is accepted.

Note: Order also accepted with only Hot Dip Galvanizing



**Article. Anti-nudge bar of Ø76mm for plugging down (Refer A)**

- Anti-nudge hoop Ø 76 x 3mm, Height 86mm x Width 400mm
- Anti-nudge hoop Ø 76 x 3mm, Height 86mm x Width 800mm
- Anti-nudge hoop Ø 76 x 3mm, Height 86mm x Width 1000mm
- Anti-nudge hoop Ø 76 x 3mm, Height 86mm x Width 1200mm

**Article. Corner anti-nudge bar of Ø76mm for plugging down (Refer B)**

- Anti-nudge hoop Ø 76 x 3mm, Height 86mm x Width 700 x 700mm

**Article. Anti-nudge hoop of Ø60mm for plugging down (Refer C)**

- Anti-nudge hoop Ø 60 x 3mm, Height 115mm x Width 400mm
- Anti-nudge hoop Ø 60 x 3mm, Height 115mm x Width 1000mm
- Anti-nudge hoop Ø 60 x 3mm, Height 115mm x Width 1500mm
- Anti-nudge hoop Ø 60 x 3mm, Height 115mm x Width 2000mm

**Article. Anti-nudge hoop for truck pull in assist of Ø152mm for plugging down (Refer D)**

- Anti-nudge hoop Ø 152 x 3mm (Left)
- Anti-nudge hoop Ø 152 x 3mm (Right)
- Anti-nudge hoop Ø 152 x 3mm (Straight extension)

| Article no.  | Weight. | Price (DAP) |
|--------------|---------|-------------|
| 67-89-Typ2-A | 3.7 kg  | € 23,00     |
| 67-89-Typ2-B | 5.7 kg  | € 25,80     |
| 67-89-Typ2-C | 6.7 kg  | € 28,50     |
| 67-89-Typ2-D | 7.7 kg  | € 31,20     |
| 67-90-Typ2   | 9.0 kg  | € 32,00     |
| 67-89-Typ1-A | 3.2 kg  | € 14,00     |
| 67-89-Typ1-B | 5.5 kg  | € 25,00     |
| 67-89-Typ1-C | 7.5 kg  | € 33,00     |
| 67-89-Typ1-D | 9.4 kg  | € 42,00     |
| 67-90-Typ3-L | 53.0 kg | € 159,00    |
| 67-90-Typ3-R | 53.0 kg | € 159,00    |
| 67-90-Typ3-S | 59.4 kg | € 149,00    |



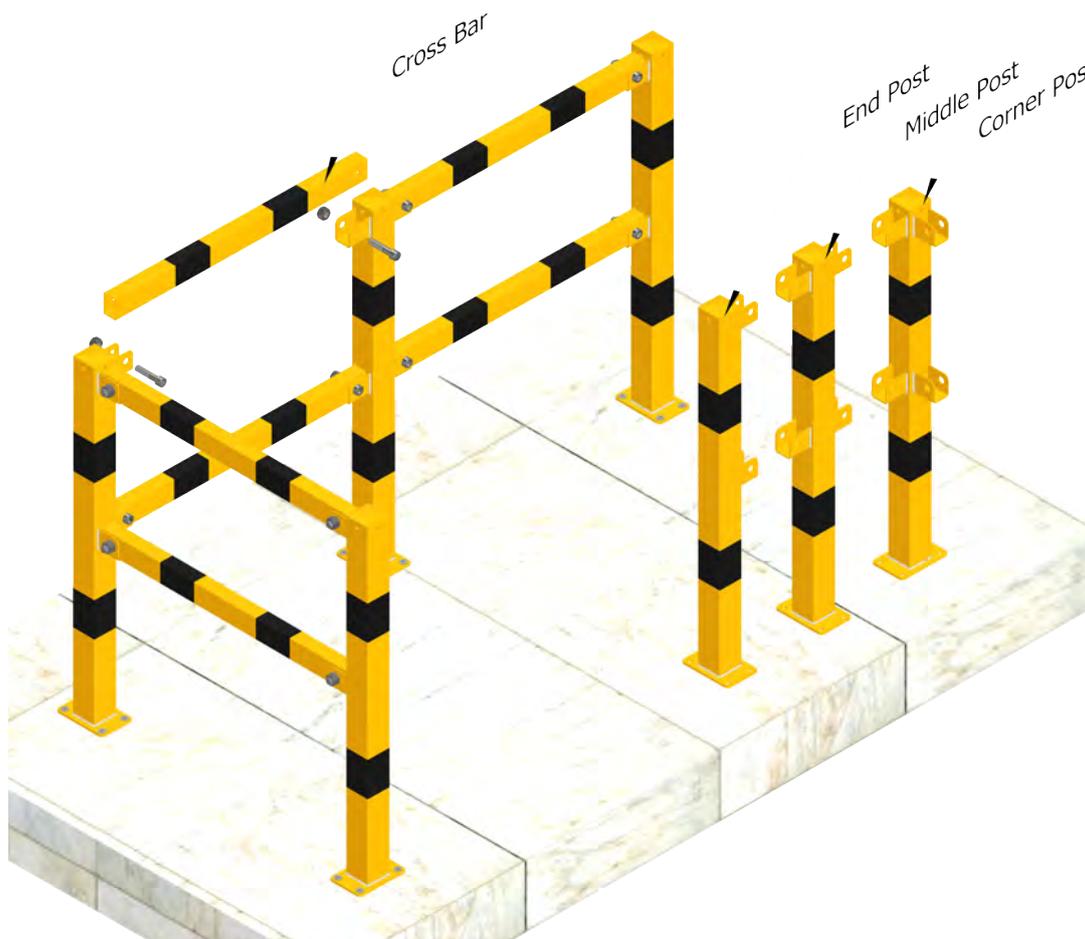
These post are Hot Dip Galvanized and Signal yellow coated (RAL1003) with 3M reflective Jet Black stripes (RAL 9005)

Note: Order also accepted with only Hot Dip Galvanizing



**Protective railing** - Anti-nudge railing as safety railing for work ways in front of machines, robots, racks, etc. The railing system is available for plugging with or without base plate, removable and tiltable up to 30°

Steel tube 70 x 70 mm with top and knee bars of steel tube 60 x 40 mm, height approx. 1000 mm, bolted



**Article. Post for protective railing for plugging down**

- End post of Sq. 70 x 70 x 2.5mm
- Middle post of Sq. 70 x 70 x 2.5mm
- Corner post of Sq. 70 x 70 x 2.5mm

**Article. Cross bar for protective railing**

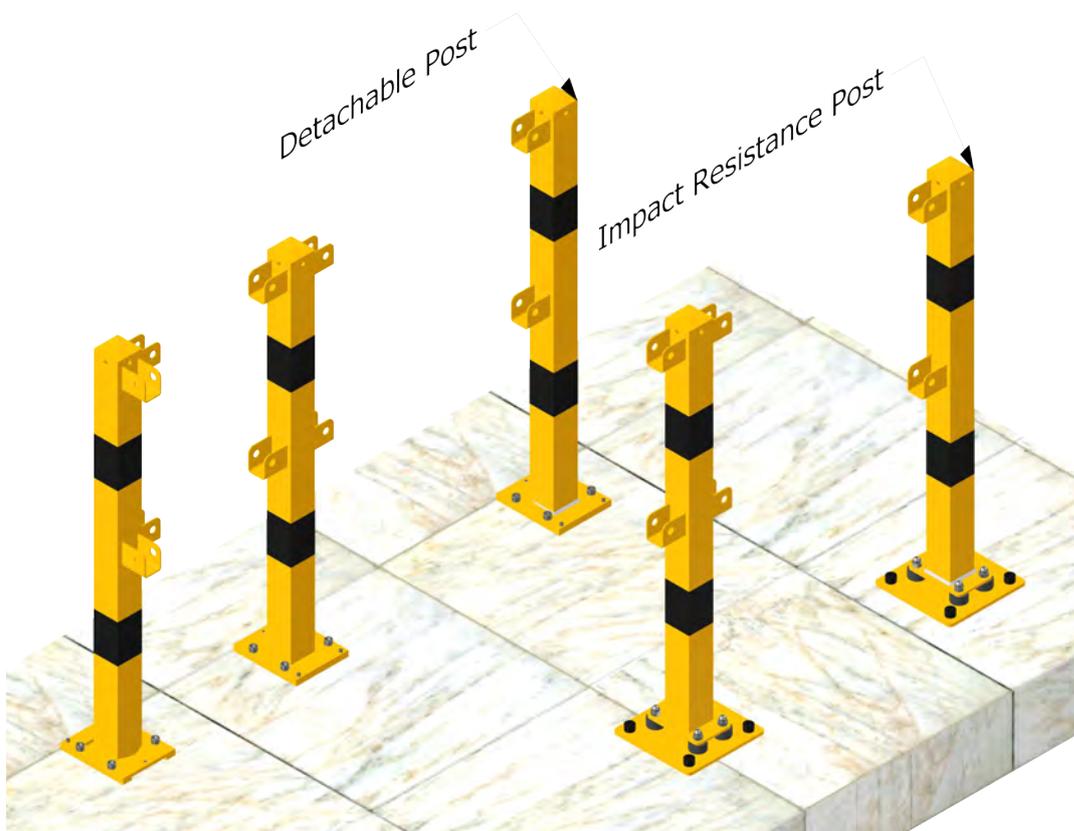
- Cross bar of Sq. 70 x 70 x 2.5mm = Length 800mm
- Cross bar of Sq. 70 x 70 x 2.5mm = Length 1300mm
- Cross bar of Sq. 70 x 70 x 2.5mm = Length 1800mm
- Cross bar of Sq. 70 x 70 x 2.5mm = Length 2300mm

| Article no.  | Weight. | Price (DAP) |
|--------------|---------|-------------|
| 69-70-Typ1-A | 6.5 kg  | € 38,00     |
| 69-70-Typ1-B | 7.0 kg  | € 41,50     |
| 69-70-Typ1-C | 7.0 kg  | € 42,50     |
| 69-48-P14    | 3.1 kg  | € 9,50      |
| 69-48-P15    | 5.1 kg  | € 15,80     |
| 69-48-P16    | 7.1 kg  | € 18,80     |
| 69-48-P17    | 9.0 kg  | € 27,50     |



These post are Hot Dip Galvanized and Signal yellow coated (RAL1003) with 3M reflective Jet Black stripes (RAL 9005 )

Note: Order also accepted with only Hot Dip Galvanizing



**Article. Impact resistance Post for protective railing for plugging down**

Impact resistance End post of Sq. 70 x 70 x 2.5mm  
 Impact resistance Middle post of Sq. 70 x 70 x 2.5mm

**Article no.**

69-70-Typ3-A  
 69-70-Typ3-B

**Weight.**

9.8 kg  
 10.2 kg

**Price (DAP)**

€ 55,30  
 € 58,60

**Article. Detachable Post for protective railing for plugging down**

Detachable End post of Sq. 70 x 70 x 2.5mm  
 Detachable Middle post of Sq. 70 x 70 x 2.5mm  
 Detachable Corner post of Sq. 70 x 70 x 2.5mm

69-70-Typ2-A  
 69-70-Typ2-B  
 69-70-Typ2-C

8.5 kg  
 9.0 kg  
 9.0 kg

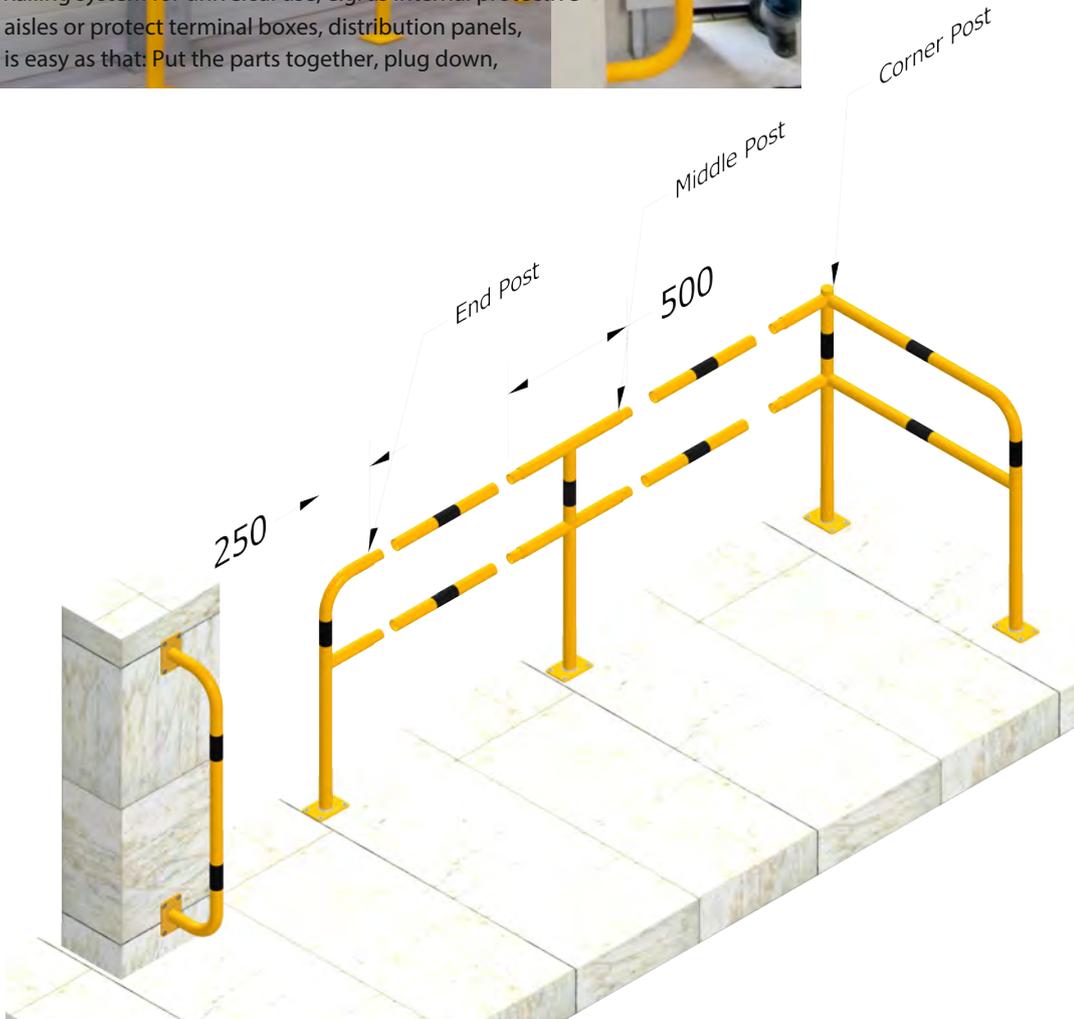
€ 59,50  
 € 63,00  
 € 64,00



These post are Hot Dip Galvanized and Signal yellow coated (RAL1003) with 3M reflective Jet Black stripes (RAL 9005 )

Note: Order also accepted with only Hot Dip Galvanizing

**Protective railing** - Railing system for universal use, e.g. as internal protective railing to separate traffic aisles or protect terminal boxes, distribution panels, machines, etc. Assembly is easy as that: Put the parts together, plug down,



**Article. Post for protective railing for plugging down**

End post of Ø 48 x 2.6mm

Middle post of Ø 48 x 2.6mm

Corner post of Ø 48 x 2.6mm

**Article. Cross bar for protective railing**

Cross bar of Ø 48 x 2.6mm = Length 500mm

Cross bar of Ø 48 x 2.6mm = Length 1000mm

Cross bar of Ø 48 x 2.6mm = Length 1500mm

**Article. Railing handle wall mounting**

Railing handle, Height 1200mm x Width 250mm

Railing handle, Height 2000mm x Width 250mm

| Article no.  | Weight. | Price (DAP) |
|--------------|---------|-------------|
| 69-48-Typ1-A | 4.9 kg  | € 26,20     |
| 69-48-Typ1-B | 7.2 kg  | € 27,20     |
| 69-48-Typ1-C | 7.0 kg  | € 28,10     |
| 69-48-P8     | 1.5 kg  | € 4,60      |
| 69-48-P9     | 3.11 kg | € 9,50      |
| 69-48-P10    | 4.7 kg  | € 14,50     |
| 67-89-Typ3-A | 6.1 kg  | € 26,00     |
| 67-89-Typ3-B | 8.5 kg  | € 36,50     |



These post are Hot Dip Galvanized and Signal yellow coated (RAL1003) with 3M reflective Jet Black stripes (RAL 9005 )

Note: Order also accepted with only Hot Dip Galvanizing



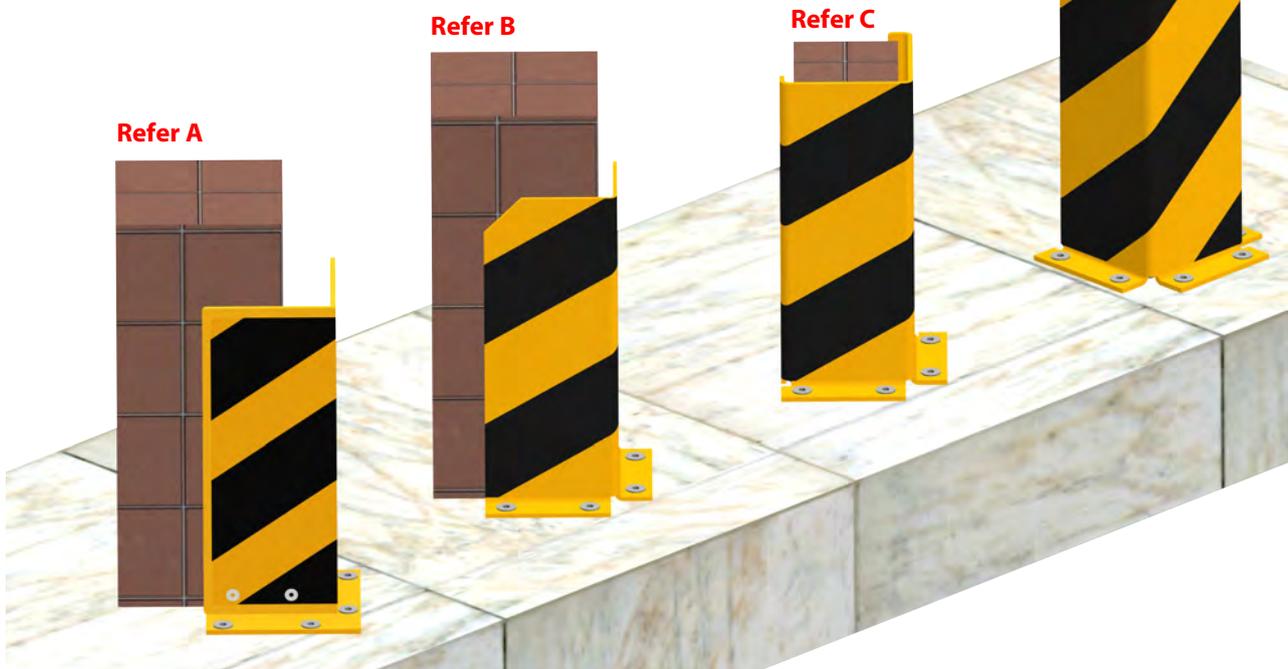
**Crash guard angle-** acc. to BGR234 for individual use (warehouse equipment, rack or shelf supports, etc.)



**Crash guard angle, Article no. 69-47-P9 (Refer A)** - To protect shelves and storage racks. The new crash guard can be tilted 15°. This compensates impacts from fork trucks or other vehicles without damage or being torn out of the floor (up to 400Nm pressure).



**Refer D**



**Refer A**

**Refer B**

**Refer C**

**Article. Crash guard angle with impact resistance up to 15° (Refer A)**

Impact crash guard, Height 400 x Length 160 x Thickness 6mm

**Article. Crash guard angle (Refer B)**

Crash guard, Height 200 x Length 160 x Thickness 6mm

Crash guard, Height 400 x Length 160 x Thickness 6mm

Crash guard, Height 800 x Length 160 x Thickness 6mm

Crash guard, Height 1200 x Length 160 x Thickness 6mm

**Article. Crash guard angle with reinforced edges (Refer C)**

Crash guard, Height 400 x Length 160 x Thickness 6mm

Crash guard, Height 800 x Length 160 x Thickness 6mm

Crash guard, Height 1200 x Length 160 x Thickness 6mm

**Article. Crash guard U shape with reinforced edges (Refer D)**

Crash guard, Height 400 x Length 160 x width 160 x Thickness 6mm

| Article no.  | Weight. | Price (DAP) |
|--------------|---------|-------------|
| 69-47-Typ4   | 6.0 kg  | € 37,00     |
| 69-47-Typ1-A | 3.0 kg  | € 13,20     |
| 69-47-Typ1-B | 5.5 kg  | € 21,00     |
| 69-47-Typ1-C | 10.7 kg | € 40,00     |
| 69-47-Typ1-D | 16.0 kg | € 60,00     |
| 69-47-Typ2-A | 7.5 kg  | € 29,00     |
| 69-47-Typ2-B | 14.5 kg | € 56,00     |
| 69-47-Typ2-C | 21.5 kg | € 79,00     |
| 69-47-Typ3   | 10.8 kg | € 36,72     |



These post are Hot Dip Galvanized and Signal yellow coated (RAL1003) with 3M reflective Jet Black stripes (RAL 9005 )

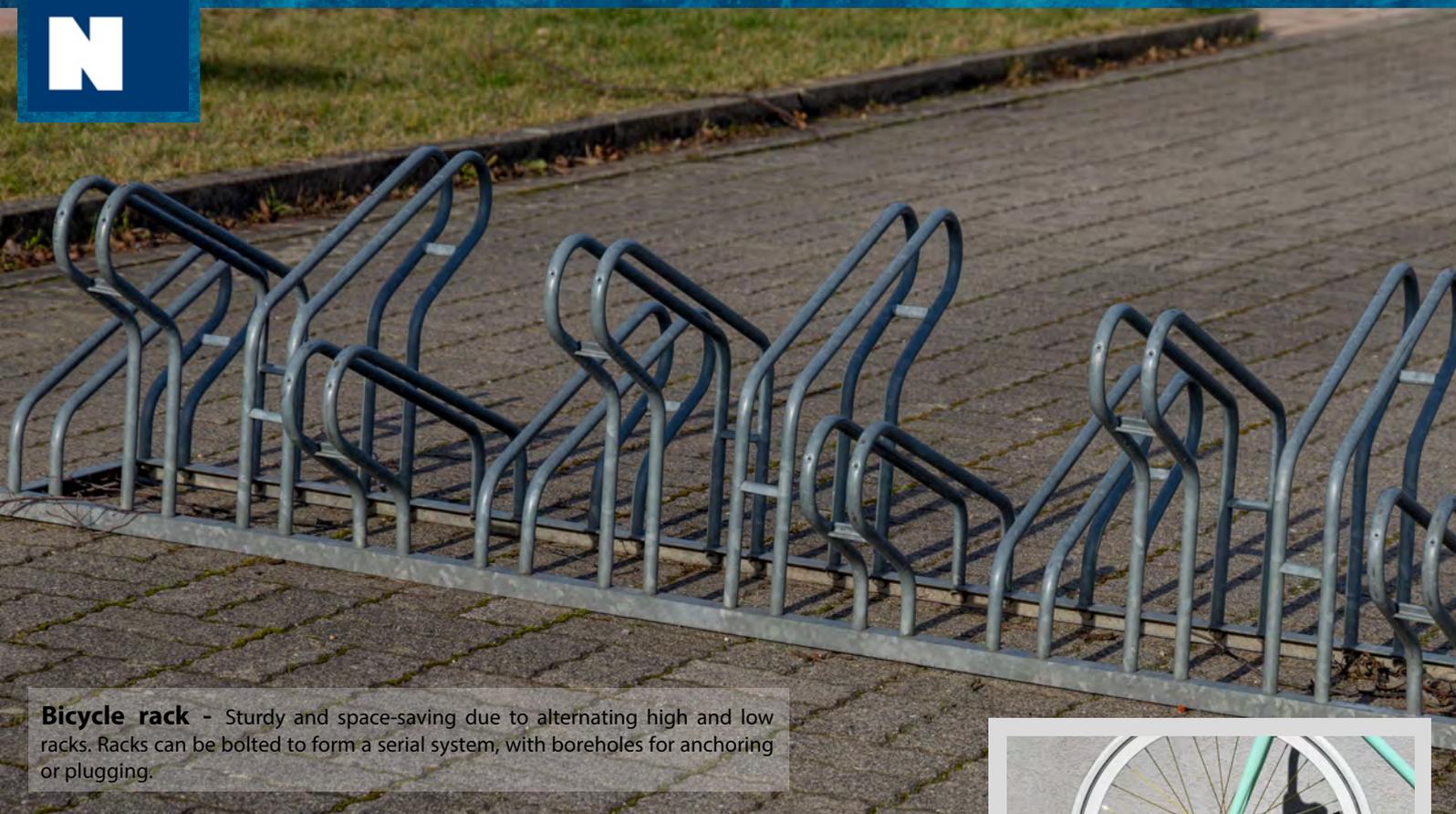
Note: Order also accepted with only Hot Dip Galvanizing

Know INDIA - Kathakali, Kathak is a major form of classical Indian dance. It is a "story play" genre of art, but one distinguished by the elaborately colorful make-up, costumes and face masks that the traditionally male actor-dancers wear.

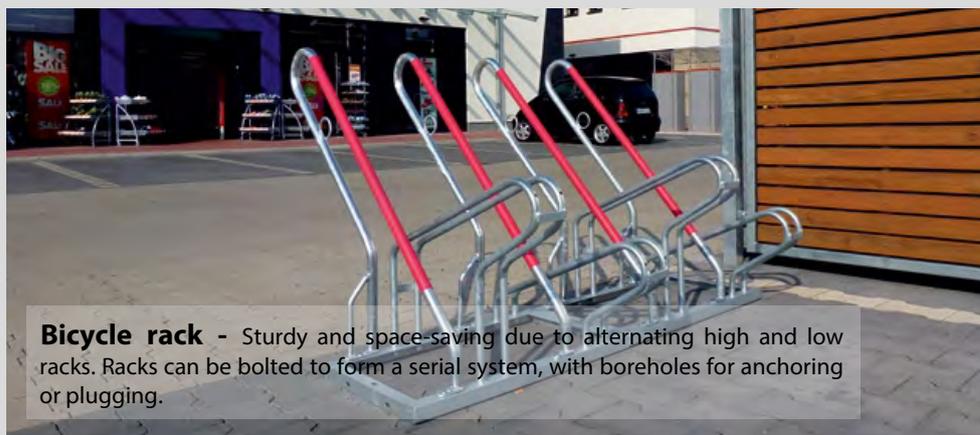
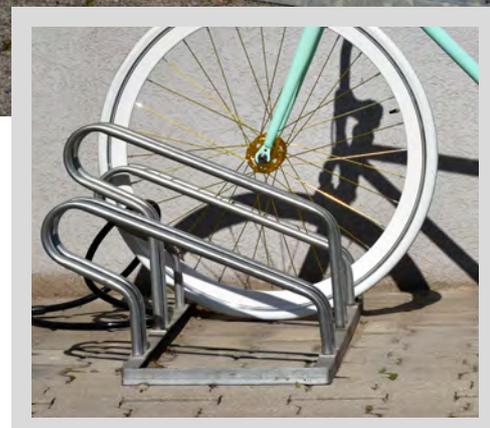




### 3. Bicycle rack



**Bicycle rack** - Sturdy and space-saving due to alternating high and low racks. Racks can be bolted to form a serial system, with boreholes for anchoring or plugging.



**Bicycle rack** - Sturdy and space-saving due to alternating high and low racks. Racks can be bolted to form a serial system, with boreholes for anchoring or plugging.

**Article.**

- Bicycle rack - one side for 3 bicycle, space between bicycle 350mm
- Bicycle rack - one side for 4 bicycle
- Bicycle rack - one side for 5 bicycle
- Bicycle rack - one side for 6 bicycle

- Bicycle rack - two side for 2 x 3 bicycle, space between bicycle 350mm
- Bicycle rack - two side for 2 x 5 bicycle
- Bicycle rack - two side for 2 x 6 bicycle

- Bicycle rack - one side for 3 bicycle, space between bicycle 350mm

**Article no.**

| Article no. | Weight. | Price (DAP) |
|-------------|---------|-------------|
| 92-1-3      | 10.0 kg | € 18.10     |
| 92-1-4      | 14.5 kg | € 16.50     |
| 92-1-5      | 16.5 kg | € 38.50     |
| 92-1-6      | 20.0 kg | € 49.80     |
| 92-2-3      | 16.0 kg | € 27.10     |
| 92-2-5      | 26.0 kg | € 30.10     |
| 92-2-6      | 32.0 kg | € 43.50     |
| 92-3-21     | 15.0 kg | € 35.80     |



These rack are Hot Dip Galvanized Frame of angular section Hoop 19 mm round tube, approximate hight is 510 mm, Bicycle wheel width up to 55 mm. space between bicycles 350 mm

Note: Order also accepted with only color coated



**Bicycle rack** - Sturdy and weatherproof parking rack made of Ø 12 mm round steel with welded square tube strut 40 x 40 mm. Vertical tube can be fixed by bolts. Height approx. 500 mm above ground, for bicycle wheel width up to 55 mm, hot-dip galvanized



Bicycle rack fixed by casting in concrete, with 45° positioning



Bicycle rack fixed by wall brackets, with 45° positioning



Bicycle rack fixed by plugging down

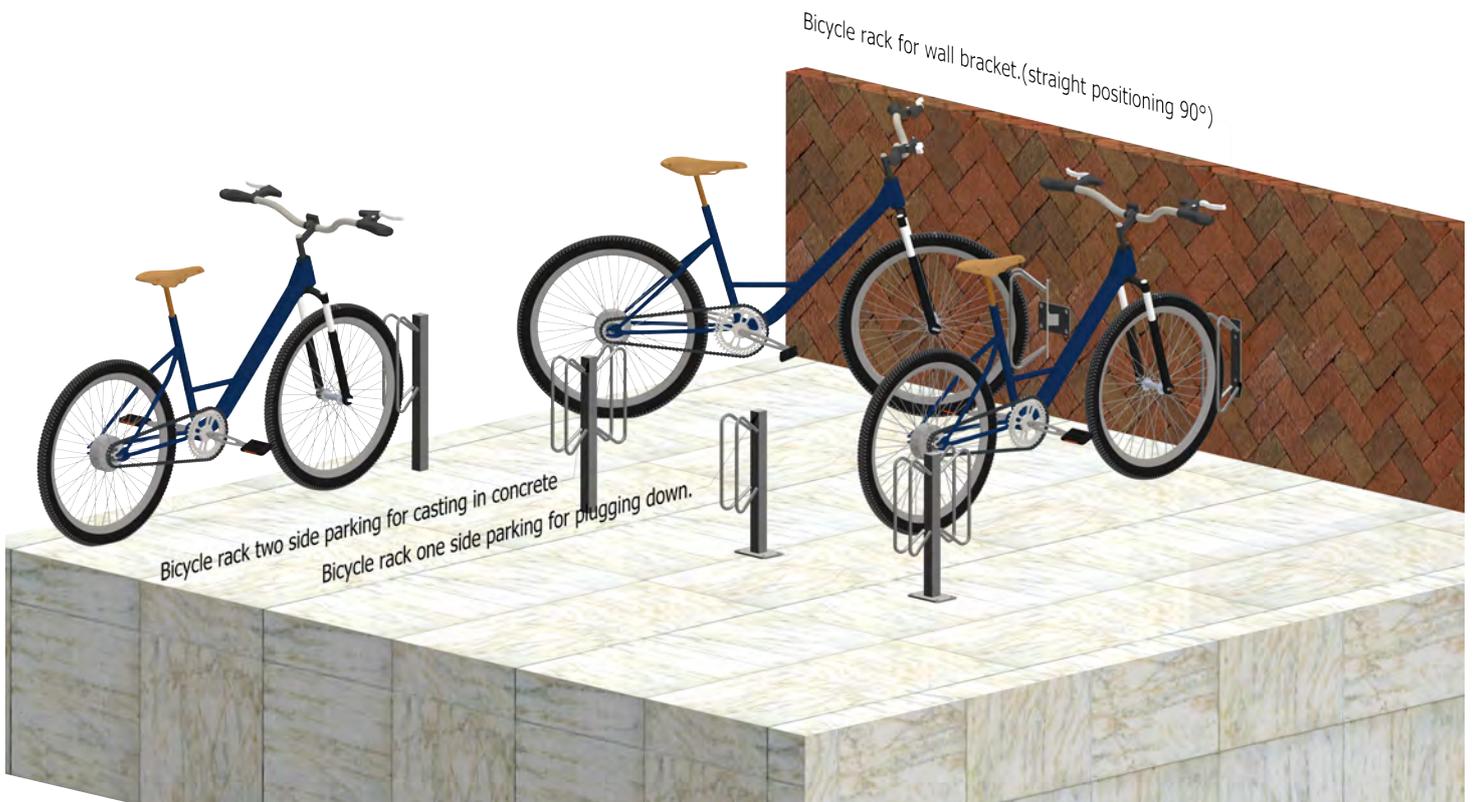
| Article.  | Article no. | Weight. | Price (DAP) |
|---|-------------|---------|-------------|
| Bicycle rack for six bicycle, for casting in concrete. (Angled positioning 45°)   | 92-4-1-6L   | 20.7 kg | € 18.10     |
| Bicycle rack for six bicycle, for casting in concrete. (Straight positioning 90°) | 92-4-1-6S   | 21.2 kg | € 16.50     |
| Bicycle rack for six bicycle, for plugging down. (Angled positioning 45°)         | 92-4-2-6L   | 20.0 kg | € 49.80     |
| Bicycle rack for six bicycle, for plugging down. (Straight positioning 90°)       | 92-4-2-6S   | 20.3 kg | € 27.10     |
| Bicycle rack for six bicycle, for wall brackets. (Angled positioning 45°)         | 92-4-3-6L   | 18.0 kg | € 43.50     |
| Bicycle rack for six bicycle, for wall brackets. (Straight positioning 90°)       | 92-4-3-6S   | 18.4 kg | € 35.80     |



Note: Order also accepted with only color coated



**Bicycle rack** - Sturdy and weatherproof parking rack made of Ø 12 mm round steel with welded square tube strut 40 x 40 mm. Vertical tube can be fixed by bolts. Height approx. 500 mm above ground, for bicycle wheel width up to 55 mm, hot-dip galvanized



**Article.**

Bicycle rack one side parking, for casting in concrete.  
 Bicycle rack two side parking, for casting in concrete.

Bicycle rack one side parking, for plugging down.  
 Bicycle rack two side parking, for plugging down.

Bicycle rack for wall brackets. (Angled positioning 45°)  
 Bicycle rack for wall brackets. (Straight positioning 90°)

**Article no.**

92-5-1S  
 92-5-2S

92-6-1S  
 92-6-2S

92-7-1S  
 92-7-1L

**Weight.**

2.7 kg  
 4.0 kg

2.7 kg  
 4.0 kg

2.4 kg  
 1.7 kg

**Price (DAP)**

€ 18.10  
 € 16.50

€ 49.80  
 € 27.10

€ 43.50  
 € 35.80



Note: Order also accepted with only color coated



**Article.**

- Bicycle stand - lean on hoop
- Bicycle stand - lean on hoop
- Bicycle stand - Single parking made of square tube
- Bicycle stand - loop

**Article no.**

- 92-4-1-6L
- 92-4-1-6S

**Weight.**

- 20.7 kg
- 21.2 kg

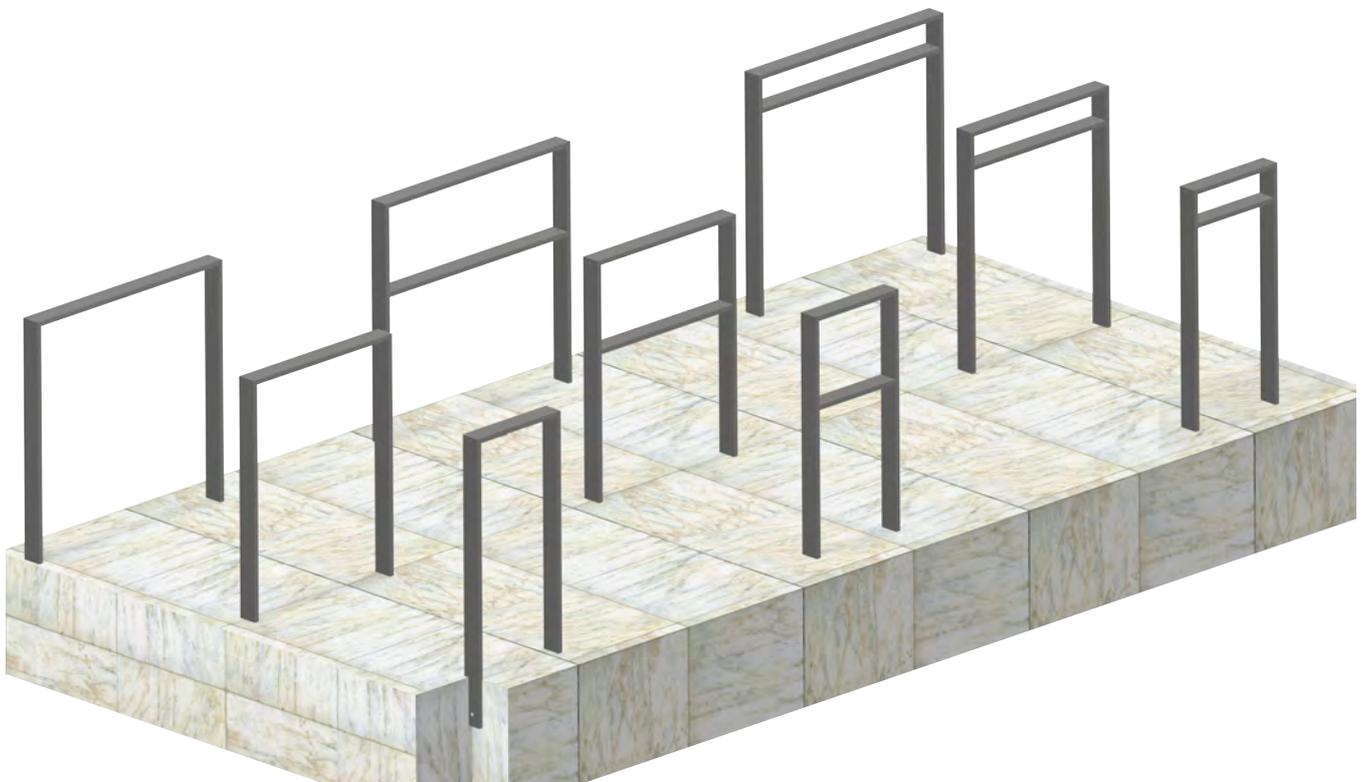
**Price (DAP)**

- € 18.10
- € 16.50



Note: Order also accepted with only color coated

**Lean-on hoop made of steel tube** - for casting in concrete, Hot-dip galvanized and optionally powder-coated in DB 703. total height: approx. 1200 mm



**Article. Sq tube 80 x 20mm**

- Bicycle Loop, Height 1000mm x Width 450mm (without cross bar)
- Bicycle Loop, Height 1000mm x Width 750mm (without cross bar)
- Bicycle Loop, Height 1000mm x Width 1000mm (without cross bar)
- Bicycle Loop, Height 1000mm x Width 450mm (with cross bar)
- Bicycle Loop, Height 1000mm x Width 750mm (with cross bar)
- Bicycle Loop, Height 1000mm x Width 1000mm (with cross bar)
- Bicycle Loop, Height 1000mm x Width 450mm (without cross bar, small distance)
- Bicycle Loop, Height 1000mm x Width 750mm (without cross bar, small distance)
- Bicycle Loop, Height 1000mm x Width 1000mm (without cross bar, small distance)

**Article no.**

- 92-58-045
- 92-58-075
- 92-58-100
- 92-59-045
- 92-59-075
- 92-59-100
- 92-60-045
- 92-60-075
- 92-60-100

**Weight.**

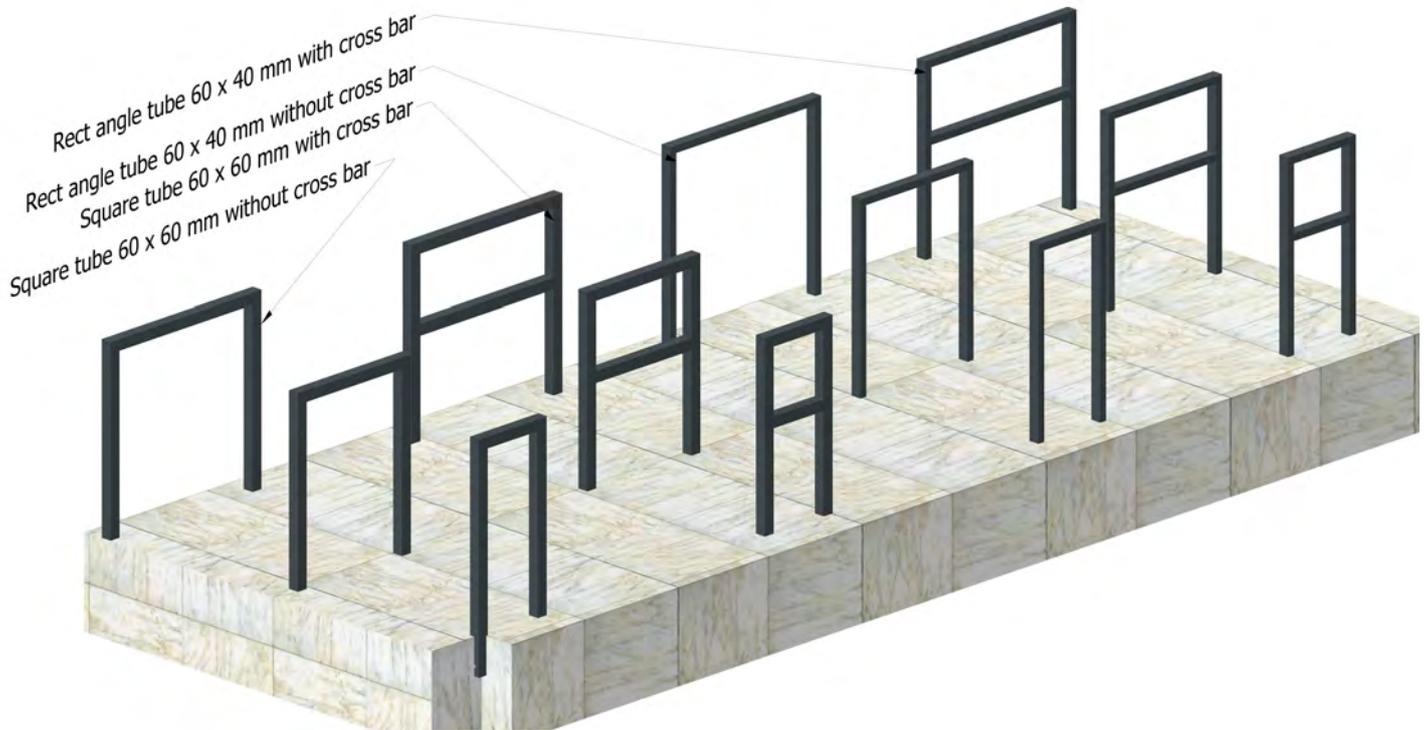
- 8.5 kg
- 9.5 kg
- 10.0 kg
- 10.0 kg
- 11.5 kg
- 13.0 kg
- 10.0 kg
- 11.5 kg
- 13.0 kg

**Price (DAP)**

- €38.50
- € 38.50
- € 38.50
- € 38.50
- € 38.50
- € 38.50
- € 38.50
- € 38.50
- € 38.50



**Lean-on hoop made of steel tube** - for casting in concrete, Hot-dip galvanized and optionally powder-coated in DB 703. total height: approx. 1200 mm



**Article. Sq tube 60 x 60mm**

- Bicycle Loop, Height 1000mm x Width 450mm (without cross bar)
- Bicycle Loop, Height 1000mm x Width 750mm (without cross bar)
- Bicycle Loop, Height 1000mm x Width 1000mm (without cross bar)
- Bicycle Loop, Height 1000mm x Width 450mm (with cross bar)
- Bicycle Loop, Height 1000mm x Width 750mm (with cross bar)
- Bicycle Loop, Height 1000mm x Width 1000mm (with cross bar)

**Article no.**

- 92-61-045
- 92-61-075
- 92-61-100
- 92-62-045
- 92-62-075
- 92-62-100

**Weight. Price (DAP)**

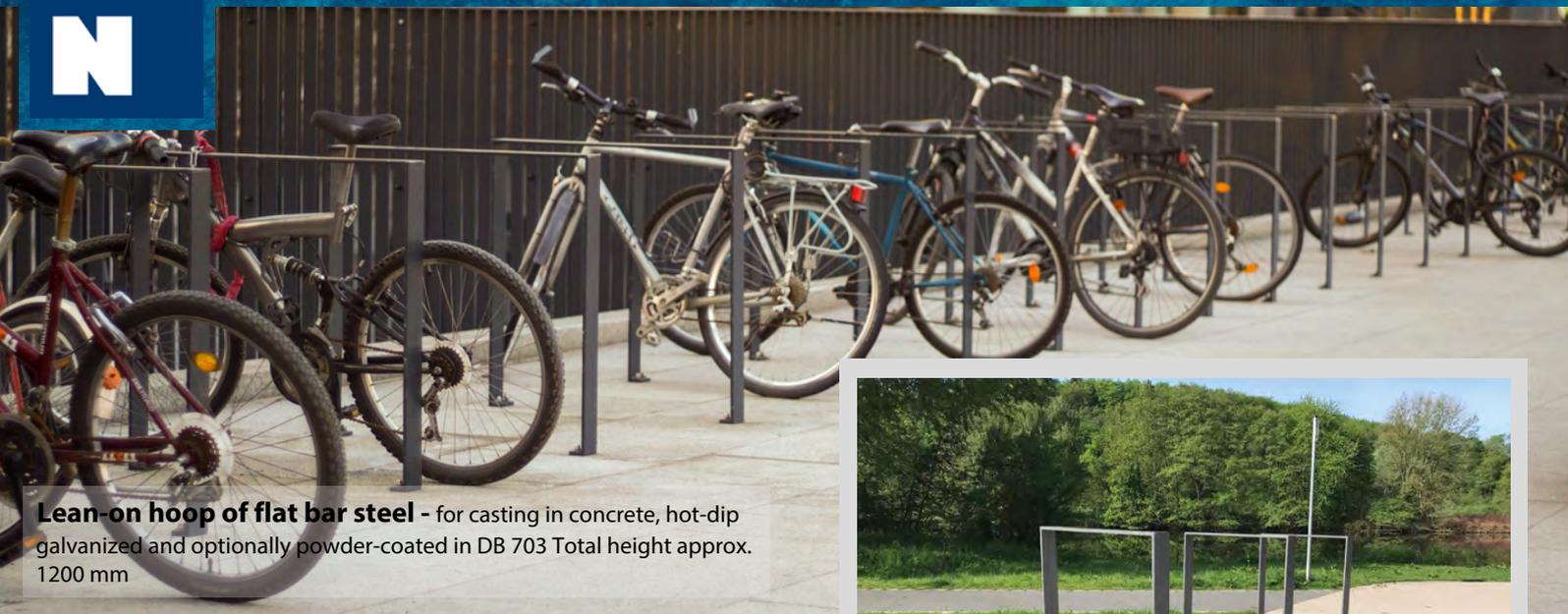
- 10.0 kg
- 11.0 kg
- 11.5 kg
- 11.0 kg
- 13.0 kg
- 15.0 kg

**Article. Sq tube 60 x 40mm**

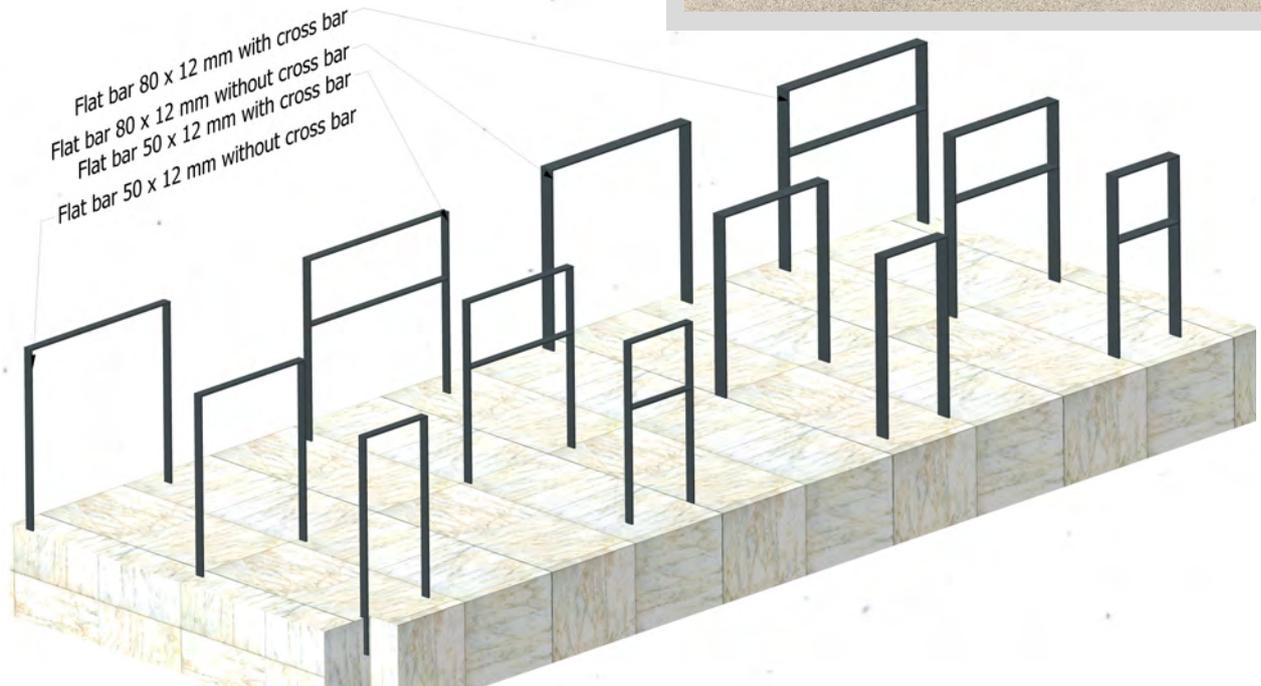
- Bicycle Loop, Height 1000mm x Width 450mm (without cross bar)
- Bicycle Loop, Height 1000mm x Width 750mm (without cross bar)
- Bicycle Loop, Height 1000mm x Width 1000mm (without cross bar)
- Bicycle Loop, Height 1000mm x Width 450mm (with cross bar)
- Bicycle Loop, Height 1000mm x Width 750mm (with cross bar)
- Bicycle Loop, Height 1000mm x Width 1000mm (with cross bar)

- 92-63-045
- 92-63-075
- 92-63-100
- 92-64-045
- 92-64-075
- 92-64-100

- 10.0 kg
- 11.5 kg
- 12.5 kg
- 12.0 kg
- 14.0 kg
- 16.0 kg



**Lean-on hoop of flat bar steel** - for casting in concrete, hot-dip galvanized and optionally powder-coated in DB 703 Total height approx. 1200 mm



**Article. Flat bar steel 50 x 12 mm**

- Bicycle Loop, Height 1000mm x Width 450mm (without cross bar)
- Bicycle Loop, Height 1000mm x Width 750mm (without cross bar)
- Bicycle Loop, Height 1000mm x Width 1000mm (without cross bar)
- Bicycle Loop, Height 1000mm x Width 450mm (with cross bar)
- Bicycle Loop, Height 1000mm x Width 750mm (with cross bar)
- Bicycle Loop, Height 1000mm x Width 1000mm (with cross bar)

**Article no.**

- 92-65-045
- 92-65-075
- 92-65-100
- 92-66-045
- 92-66-075
- 92-66-100

**Weight. Price (DAP)**

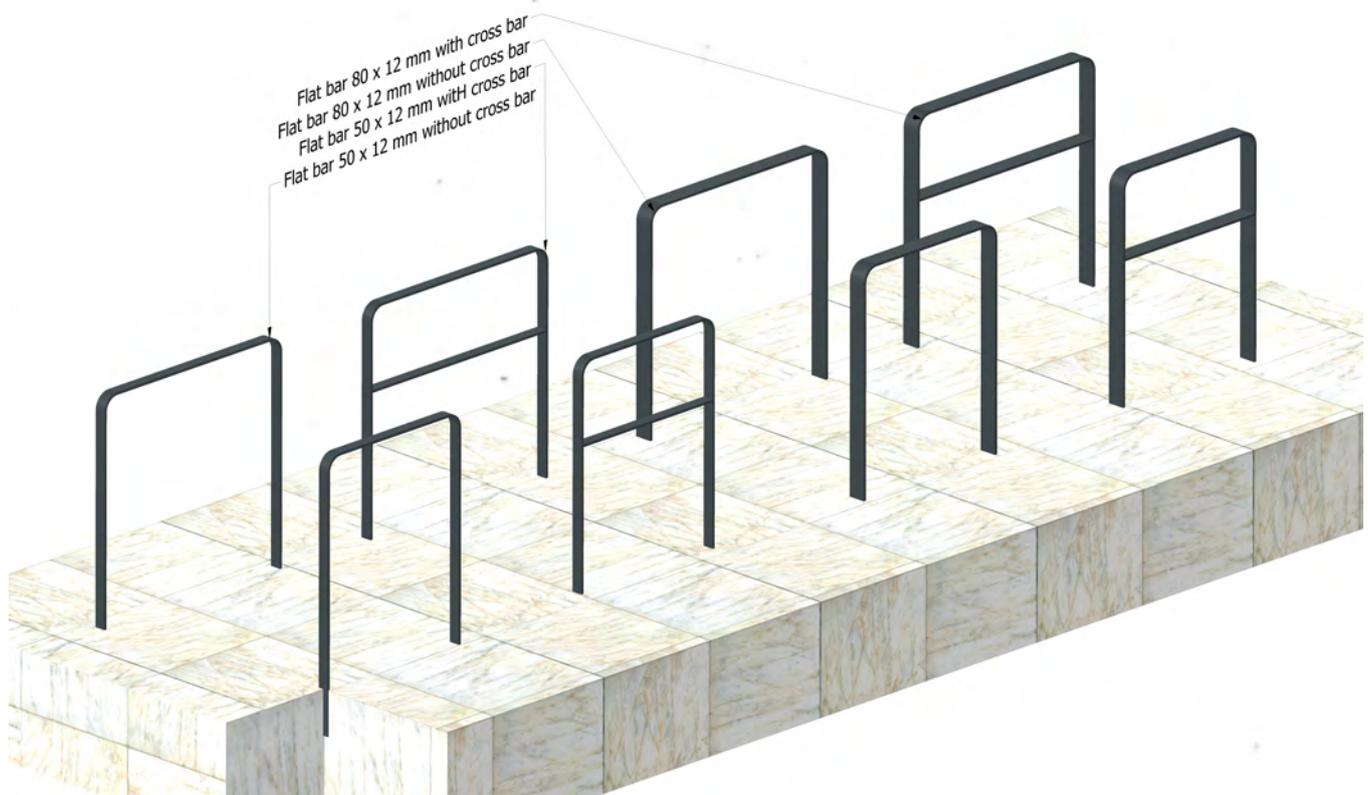
- 13.0 kg
- 14.5 kg
- 16.0 kg
- 15.0 kg
- 18.0 kg
- 20.5 kg

**Article. Flat bar steel 80 x 12 mm**

- Bicycle Loop, Height 1000mm x Width 450mm (without cross bar)
- Bicycle Loop, Height 1000mm x Width 750mm (without cross bar)
- Bicycle Loop, Height 1000mm x Width 1000mm (without cross bar)
- Bicycle Loop, Height 1000mm x Width 450mm (with cross bar)
- Bicycle Loop, Height 1000mm x Width 750mm (with cross bar)
- Bicycle Loop, Height 1000mm x Width 1000mm (with cross bar)

- 92-67-045
- 92-67-075
- 92-67-100
- 92-68-045
- 92-68-075
- 92-68-100

- 21.0 kg
- 23.5 kg
- 25.5 kg
- 24.5 kg
- 29.0 kg
- 33.0 kg



**Article. Flat bar steel 50 x 12 mm**

- Bicycle Loop, Height 1000mm x Width 750mm (without cross bar)
- Bicycle Loop, Height 1000mm x Width 1000mm (without cross bar)
- Bicycle Loop, Height 1000mm x Width 750mm (with cross bar)
- Bicycle Loop, Height 1000mm x Width 1000mm (with cross bar)

**Article no.**

- 92-69-075
- 92-69-100
- 92-70-075
- 92-70-100

**Weight. Price (DAP)**

- 14.5 kg
- 16.0 kg
- 18.0 kg
- 20.5 kg

**Article. Flat bar steel 80 x 12 mm**

- Bicycle Loop, Height 1000mm x Width 750mm (without cross bar)
- Bicycle Loop, Height 1000mm x Width 1000mm (without cross bar)
- Bicycle Loop, Height 1000mm x Width 750mm (with cross bar)
- Bicycle Loop, Height 1000mm x Width 1000mm (with cross bar)

- 92-71-075
- 92-71-100
- 92-72-075
- 92-72-100

- 23.0 kg
- 25.0 kg
- 29.0 kg
- 33.0 kg

Know INDIA - Good Indian food is an balance of flavors (salty, sweet, sour, bitter, hot) and textures... not too much of anything, chili included. Spices prevent our food from spoilage, and we are so much accustomed to eat spicy food. ... It is all because of bacteria and food borne pathogens: The chemical compounds of spices protect their plants as well as our food from food spoilage microbes and bacteria.





## **4. Barrier Gate**

## Swiveling gates

can be swiveled horizontally, no supporting post. Locking mechanism can be closed or opened using a locking pin, fitted for a padlock or triangular locking mechanism acc. with DIN 3223 or Euro profile cylinder lock.

**Swiveling post:** Steel tube Ø 102 mm

**Barrier arm:** Steel tube Ø 60 mm

**Height:** Approx. 950 mm above ground

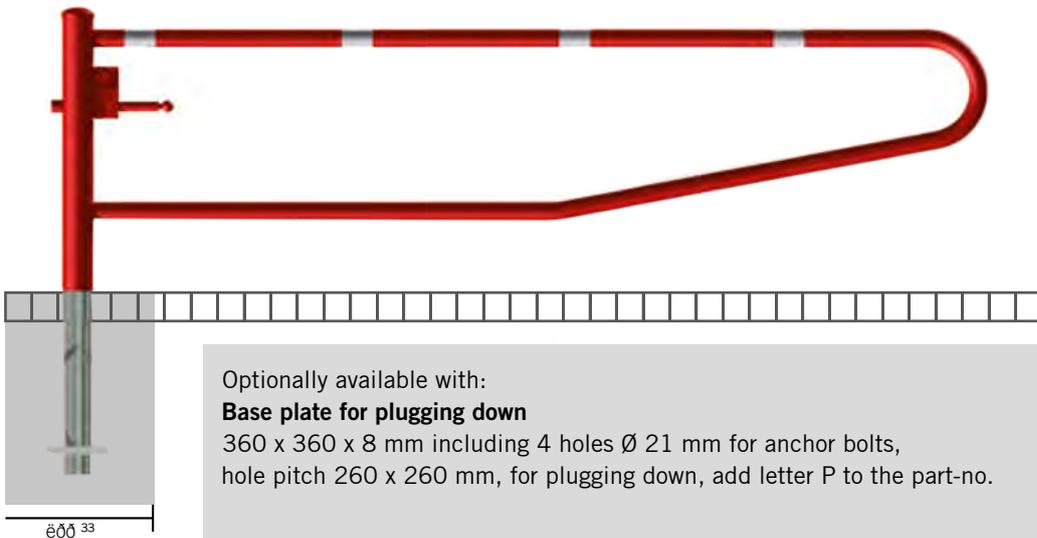


### For casting in concrete, hot-dip galvanized

| Total width | Approx.kg | For padlock<br>Part-No. | Price €  | With triangular<br>lock<br>Part-No. | Price €  | With Euro profile<br>cylinder lock<br>Part-No. | Price €  |
|-------------|-----------|-------------------------|----------|-------------------------------------|----------|--|----------|
| 1500 mm     | 32.0      | 77-1-15-PH              | € 234,50 | 77-1-15-TH                          | € 294,80 | 77-1-15-CH                                     | € 328,30 |
| 2000 mm     | 35.0      | 77-1-20-PH              | € 247,90 | 77-1-20-TH                          | € 308,20 | 77-1-20-CH                                     | € 341,70 |
| 2500 mm     | 38.0      | 77-1-25-PH              | € 261,30 | 77-1-25-TH                          | € 321,60 | 77-1-25-CH                                     | € 355,10 |
| 3000 mm     | 41.0      | 77-1-30-PH              | € 274,70 | 77-1-30-TH                          | € 335,00 | 77-1-30-CH                                     | € 368,50 |
| 3500 mm     | 44.0      | 77-1-35-PH              | € 288,10 | 77-1-35-TH                          | € 348,40 | 77-1-35-CH                                     | € 381,90 |

### For casting in concrete, hot-dip galvanized and red coated with white reflecting rings

| Total width | Approx.kg | For padlock<br>Part-No. | Price €  | With triangular<br>lock<br>Part-No. | Price €  | With Euro profile<br>cylinder lock<br>Part-No. | Price €  |
|-------------|-----------|-------------------------|----------|-------------------------------------|----------|--|----------|
| 1500 mm     | 32.0      | 77-1-15-P               | € 274,70 | 77-1-15-T                           | € 335,00 | 77-1-15-C                                      | € 361,80 |
| 2000 mm     | 35.0      | 77-1-20-P               | € 288,10 | 77-1-20-T                           | € 348,40 | 77-1-20-C                                      | € 375,20 |
| 2500 mm     | 38.0      | 77-1-25-P               | € 301,50 | 77-1-25-T                           | € 361,80 | 77-1-25-C                                      | € 388,60 |
| 3000 mm     | 41.0      | 77-1-30-P               | € 341,90 | 77-1-30-T                           | € 375,20 | 77-1-30-C                                      | € 402,00 |
| 3500 mm     | 44.0      | 77-1-35-P               | € 328,30 | 77-1-35-T                           | € 388,60 | 77-1-35-C                                      | € 415,40 |



Optionally available with:

#### Base plate for plugging down

360 x 360 x 8 mm including 4 holes Ø 21 mm for anchor bolts, hole pitch 260 x 260 mm, for plugging down, add letter P to the part-no.

## Swing barrier

barrier swings horizontally with no supporting post. Locking mechanism can be closed or opened using a pin latching automatically in four positions (every 90°), fitted for a padlock or with triangular locking mechanism acc. to DIN 3223 or Euro profile cylinder lock

**Swiveling post:** Steel tube Ø 102 mm

**Barrier arm:** Steel tube 60 x 40 mm

Height: Approx. 950 mm above ground

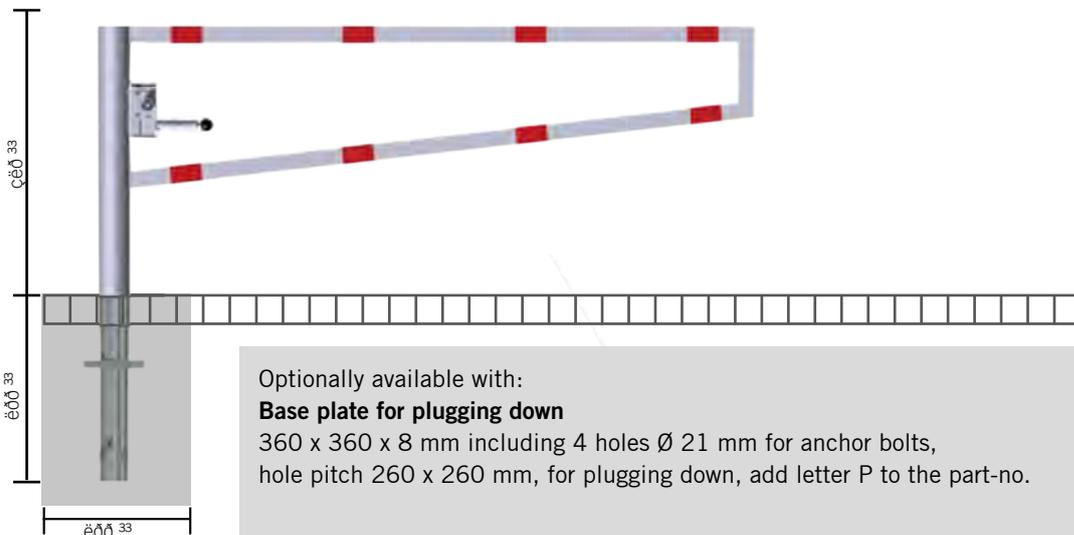


For casting in concrete, hot-dip galvanized

| Total width | Approx.kg | For padlock<br>Part-No. | Price €  | With triangular<br>lock<br>Part-No. | Price €  | With Euro profile<br>cylinder lock<br>Part-No. | Price €  |
|-------------|-----------|-------------------------|----------|-------------------------------------|----------|--|----------|
| 1500 mm     | 32.0      | 77-2-15-PH              | € 221,10 | 77-2-15-TH                          | € 281,40 | 77-2-15-CH                                     | € 341,90 |
| 2000 mm     | 35.0      | 77-2-20-PH              | € 234,50 | 77-2-20-TH                          | € 294,80 | 77-2-20-CH                                     | € 328,30 |
| 2500 mm     | 38.0      | 77-2-25-PH              | € 247,90 | 77-2-25-TH                          | € 308,20 | 77-2-25-CH                                     | € 341,70 |
| 3000 mm     | 41.0      | 77-2-30-PH              | € 261,30 | 77-2-30-TH                          | € 321,60 | 77-2-30-CH                                     | € 355,10 |
| 3500 mm     | 44.0      | 77-2-35-PH              | € 274,70 | 77-2-35-TH                          | € 335,00 | 77-2-35-CH                                     | € 368,50 |

For casting in concrete, hot-dip galvanized and white coated with red reflecting rings

| Total width | Approx.kg | For padlock<br>Part-No. | Price €  | With triangular<br>lock<br>Part-No. | Price €  | With Euro profile<br>cylinder lock<br>Part-No. | Price €  |
|-------------|-----------|-------------------------|----------|-------------------------------------|----------|--|----------|
| 1500 mm     | 32.0      | 77-2-15-P               | € 261,30 | 77-2-15-T                           | € 321,60 | 77-2-15-C                                      | € 348,40 |
| 2000 mm     | 35.0      | 77-2-20-P               | € 274,70 | 77-2-20-T                           | € 335,00 | 77-2-20-C                                      | € 361,80 |
| 2500 mm     | 38.0      | 77-2-25-P               | € 288,10 | 77-2-25-T                           | € 348,40 | 77-2-25-C                                      | € 375,20 |
| 3000 mm     | 41.0      | 77-2-30-P               | € 301,50 | 77-2-30-T                           | € 361,80 | 77-2-30-C                                      | € 388,60 |
| 3500 mm     | 44.0      | 77-2-35-P               | € 341,90 | 77-2-35-T                           | € 375,20 | 77-2-35-C                                      | € 402,00 |



Optionally available with:

**Base plate for plugging down**

360 x 360 x 8 mm including 4 holes Ø 21 mm for anchor bolts, hole pitch 260 x 260 mm, for plugging down, add letter P to the part-no.

## Swing barrier

barrier can be swiveled horizontally, with pull rope reinforcement. Locking mechanism closed or opened by pin locking in four positions (every 90°), fitted for a padlock or with triangular locking mechanism acc. to DIN 3223 or Euro profile cylinder lock.

**Swiveling post:** Steel tube Ø 102 mm, hot-dip galvanized and coated red

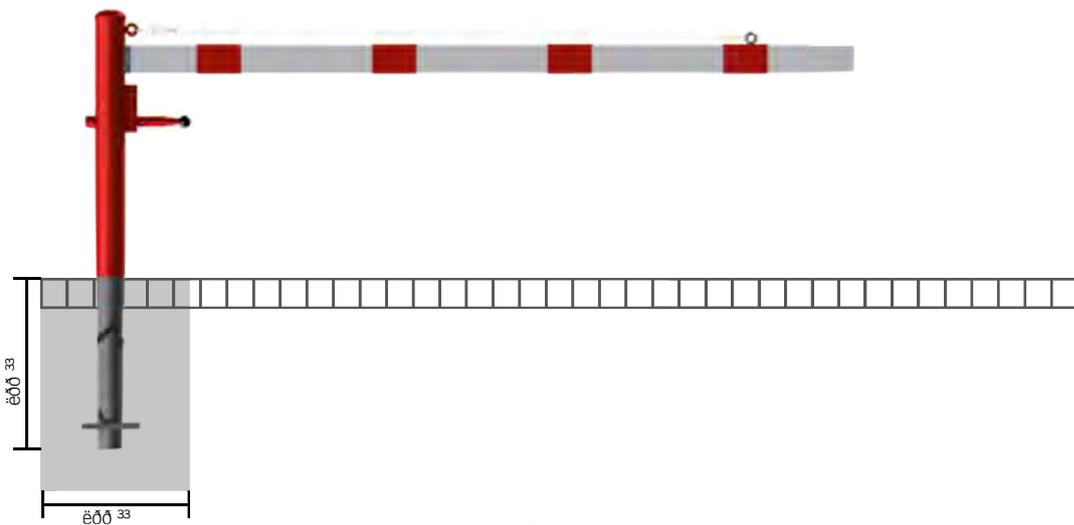
**Barrier arm:** Aluminium tube 100 x 50 mm, coated white with red reflecting stripes

**Height:** Approx. 950 mm above ground



### For casting in concrete

| Barrier arm length | Approx.kg | For padlock<br>Part-No. | Price €  | With triangular<br>lock<br>Part-No. | Price €  | With Euro profile<br>cylinder lock<br>Part-No. | Price €  |
|--------------------|-----------|-------------------------|----------|-------------------------------------|----------|--|----------|
| 1500 mm            | 32.0      | 77-3-15-P               | € 258,00 | 77-3-15-T                           | € 318,30 | 77-3-15-C                                      | € 241,50 |
| 2000 mm            | 35.0      | 77-3-20-P               | € 271,40 | 77-3-20-T                           | € 331,60 | 77-3-20-C                                      | € 250,90 |
| 2500 mm            | 38.0      | 77-3-25-P               | € 284,80 | 77-3-25-T                           | € 345,10 | 77-3-25-C                                      | € 260,30 |
| 3000 mm            | 41.0      | 77-3-30-P               | € 298,20 | 77-3-30-T                           | € 358,50 | 77-3-30-C                                      | € 269,70 |
| 3500 mm            | 44.0      | 77-3-35-P               | € 311,60 | 77-3-35-T                           | € 371,80 | 77-3-35-C                                      | € 279,10 |



Optionally available with:

#### Base plate for plugging down

360 x 360 x 8 mm including 4 holes Ø 21 mm for anchor bolts, hole pitch 260 x 260 mm, for plugging down, add letter P to the part-no.

## Swing barrier

barrier can be swiveled horizontally, with bracing tube and pull rope reinforcement. Locking mechanism at the swiveling post closed or opened by pin locking in 4 positions (every 90°), fitted for a padlock or with triangular locking mechanism acc. to DIN 3223 or Euro profile cylinder lock, including two supporting posts.

**Swiveling post:** Steel tube Ø 102 mm, hot-dip galvanized and red coated

**Barrier arm:** Aluminium tube 100 x 50 mm, coated white with red reflecting stripes

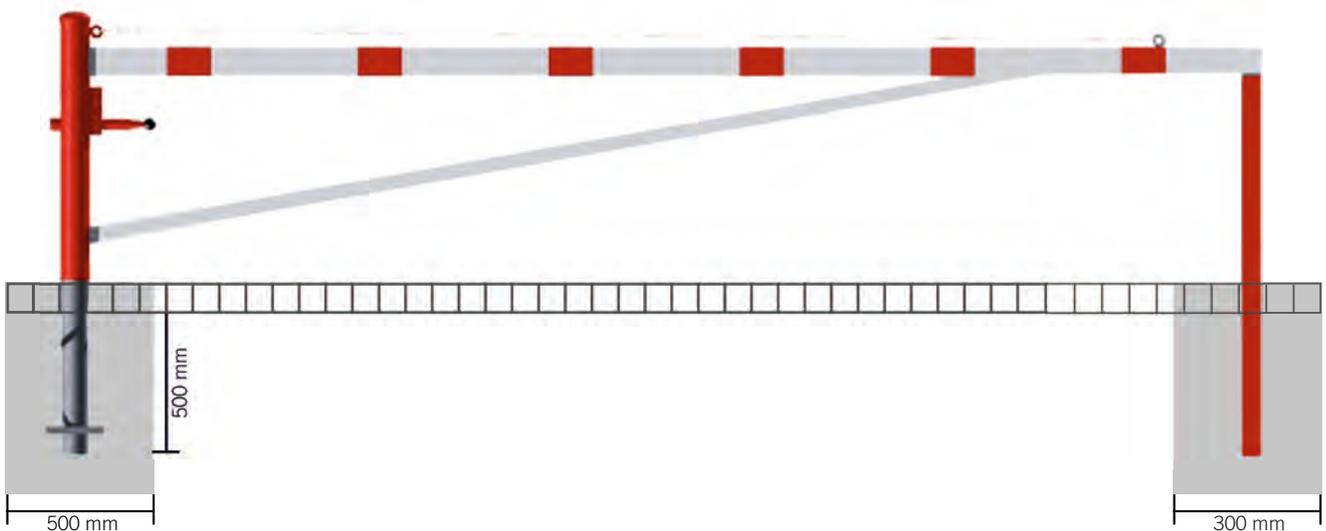
**Supporting post:** Steel tube 70 x 70 mm, hot-dip galvanized and white coated (2 piece)

**Height:** Approx. 950 mm above ground



## For casting in concrete

| Barrier arm length | Approx.kg | For padlock<br>Part-No. | Price €  | With triangular<br>lock<br>Part-No. | Price €  | With Euro profile<br>cylinder lock<br>Part-No. | Price €  |
|--------------------|-----------|-------------------------|----------|-------------------------------------|----------|--|----------|
| 3000 mm            | 58.0      | 77-4-30-P               | € 338,30 | 77-4-30-T                           | € 371,80 | 77-4-30-C                                      | € 408,70 |
| 3500 mm            | 61.0      | 77-4-35-P               | € 355,10 | 77-4-35-T                           | € 388,60 | 77-4-35-C                                      | € 425,40 |
| 4000 mm            | 65.0      | 77-4-40-P               | € 371,80 | 77-4-40-T                           | € 405,30 | 77-4-40-C                                      | € 442,20 |
| 4500 mm            | 69.0      | 77-4-45-P               | € 388,60 | 77-4-45-T                           | € 422,10 | 77-4-45-C                                      | € 458,90 |
| 5000 mm            | 73.0      | 77-4-50-P               | € 405,30 | 77-4-50-T                           | € 438,80 | 77-4-50-C                                      | € 475,70 |
| 5500 mm            | 78.0      | 77-4-55-P               | € 422,10 | 77-4-55-T                           | € 455,60 | 77-4-55-C                                      | € 492,40 |
| 6000 mm            | 83.0      | 77-4-60-P               | € 438,90 | 77-4-60-T                           | € 472,30 | 77-4-60-C                                      | € 509,20 |



Optionally available with:

### Base plate for plugging down

Swiveling post base plate 360 x 360 x 8 mm, including 4 holes Ø 21 mm for anchor bolts, hole pitch 260 x 260 mm. 2 base plates for supporting post 220 x 220 x 8 mm, hole pitch 140 x 140 mm for plugging down, add letter **P** to part-no.

Recommended foundation depth: 900 mm

## Access barrier

**Main support:** Steel construction 70 x 70mm square tube with ground plate 360 x 360 x 8 mm for plugging down, including 4 holes Ø 20 mm for anchors, hot-dip galvanized and powder-coated red

**Supporting post:** Steel tube 70 x 70 mm with ground plate 220 x 220 x 8 mm including 4 holes Ø 20 mm for anchors

**Barrier arm:** Thick-walled Ø 80 mm aluminium tube with counterweight, uncoated with white/red reflecting stripes

**Locking mechanism:** At the supporting post, can be fixed by the main support pin when the arm is open

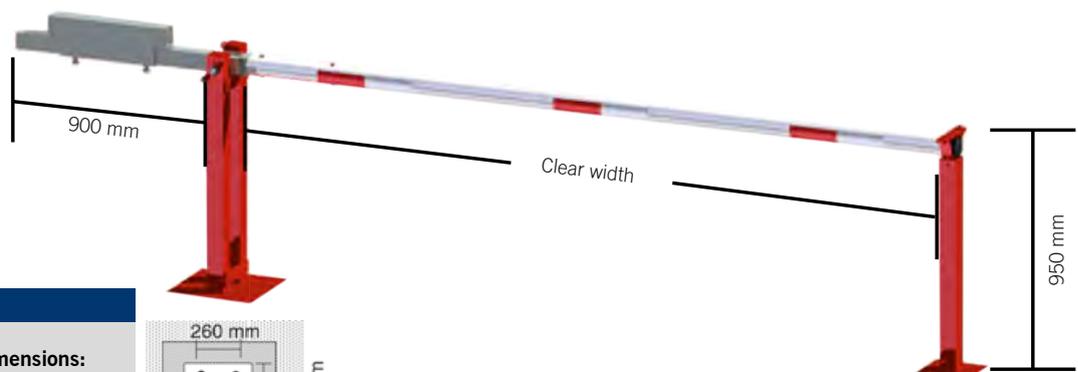
**Total width:** Clear width + approx. 900 mm

**Height:** Approx. 950 mm above ground



| Clear width | Approx.kg | For padlock Part-No. | Price €  | With triangular lock Part-No. | Price €  | With Euro profile cylinder lock Part-No. | Price €  |
|-------------|-----------|----------------------|----------|-------------------------------|----------|--|----------|
| 3000 mm     | 50.0      | 77-5-30-P            | € 375,20 | 77-5-30-T                     | € 435,50 | 77-5-30-C                                | € 448,90 |
| 4000 mm     | 70.0      | 77-5-40-P            | € 408,70 | 77-5-40-T                     | € 469,00 | 77-5-40-C                                | € 482,40 |
| 5000 mm     | 90.0      | 77-5-50-P            | € 442,20 | 77-5-50-T                     | € 502,50 | 77-5-50-C                                | € 515,90 |
| 6000 mm     | 110.0     | 77-5-60-P            | € 482,40 | 77-5-60-T                     | € 542,70 | 77-5-60-C                                | € 556,10 |
| 7000 mm     | 125.0     | 77-5-70-P            | € 529,30 | 77-5-70-T                     | € 589,60 | 77-5-70-C                                | € 603,00 |

|   | Approx.kg | Part-No. | Price € |
|---|-----------|----------|---------|
| <b>Set of mounting bolts type 3,</b><br>to be fixed by plugs  |           | N570.73D | € 00,00 |
| <b>Set of ground sockets</b><br>with ground anchor plate<br>for main and supporting posts, <b>for casting in concrete,</b><br>hot-dip galvanized, including bolts M16 | 16.0      | N511.92D | € 00,00 |
| <b>Pull rope reinforcement</b>  |           | N511.95D | € 00,00 |



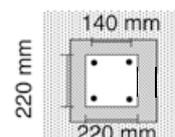
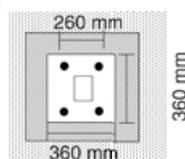
### Recommended foundation dimensions:

#### Main support

Width 550 x 550 mm, depth 900 mm

#### Supporting post

Width 400 x 400 mm, depth 900 mm



## Access barrier

### Main support: Steel Construction

70 x 70 mm square tube with ground plate  
360 x 360 x 8 mm for plugging down,  
including 4 holes Ø 20 mm for anchor,  
hot-dip galvanized and powder-coated red

**Barrier arm:** Thick-walled Ø 80 mm aluminium tube with counterweight, uncoated with white/red reflecting stripes

**Swing post:** Aluminium tube with foot

**Locking mechanism:** At the main support with a locking pin, for fixing the arm in open or closed position

**Total width:** Clear width + approx. 900 mm

**Height:** Approx. 950 mm above ground



| Clear width | Approx.kg | For padlock Part-No. | Price €  | With triangular lock Part-No. | Price €  | With Euro profile cylinder lock Part-No. | Price €  |
|-------------|-----------|----------------------|----------|-------------------------------|----------|--|----------|
| 3000 mm     | 50.0      | 77-6-30-P            | € 381,90 | 77-6-30-T                     | € 442,20 | 77-6-30-C                                | € 455,60 |
| 4000 mm     | 70.0      | 77-6-40-P            | € 415,40 | 77-6-40-T                     | € 475,70 | 77-6-40-C                                | € 489,10 |
| 5000 mm     | 90.0      | 77-6-50-P            | € 448,90 | 77-6-50-T                     | € 509,20 | 77-6-50-C                                | € 522,60 |
| 6000 mm     | 110.0     | 77-6-60-P            | € 489,10 | 77-6-60-T                     | € 549,40 | 77-6-60-C                                | € 562,80 |
| 7000 mm     | 125.0     | 77-6-70-P            | € 536,00 | 77-6-70-T                     | € 596,30 | 77-6-70-C                                | € 609,70 |

### Set of mounting bolts type 3, to be fixed by plugs

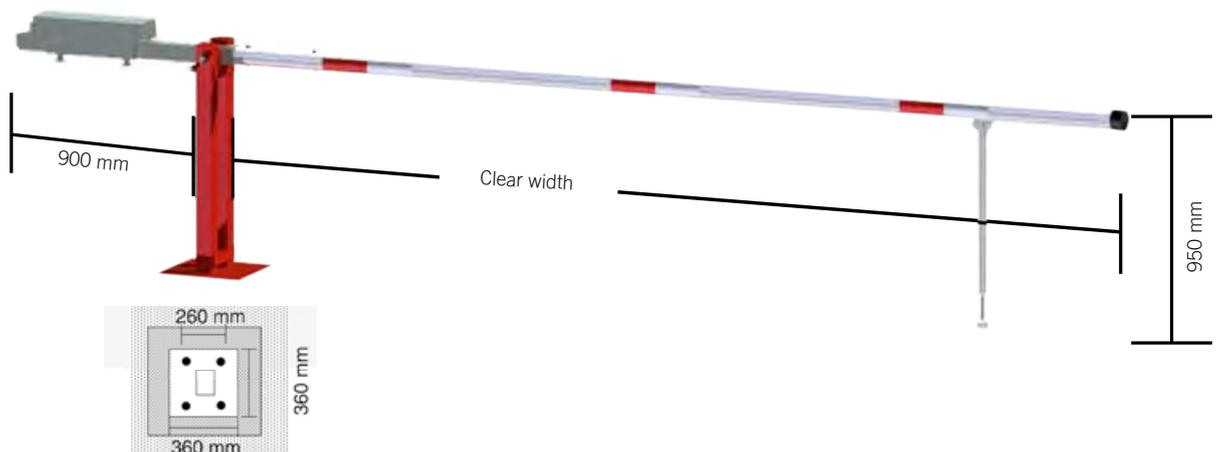
| Approx.kg | Part-No. | Price € |
|-----------|----------|---------|
|           | N570.72D | € 00,00 |

### Ground socket

with ground anchor plate for  
main support, for casting in concrete,  
hot-dip galvanized, including bolts M16

|      |          |         |
|------|----------|---------|
| 16.0 | N511.91D | € 00,00 |
|      | N511.95D | € 00,00 |

### Pull rope reinforcement



## Manual barrier

with pneumatic spring and fixed pole support

**Main support:** Steel construction 120 x 80 mm square tube with base plate 360 x 360 x 8 mm for plugging down, including 4 holes Ø 20 mm for anchor, hot-dip galvanized and powder-coated red, barrier arm can be fixed in open and closed position

**Supporting post:** Steel tube 70 x 70 mm with base plate 220 x 220 x 8 mm, including 4 holes Ø 20 mm for anchor

**Barrier arm:** Thick-walled Ø 80 mm aluminium tube, powder-coated with red reflecting stripes

**Locking mechanism at the post support**

**Total width:** Clear width+ approx. 180 mm

**Height:** Approx. 950 mm above ground



| Clear width | Approx.kg | For padlock Part-No. | Price €  | With triangular lock Part-No. | Price €  |
|-------------|-----------|----------------------|----------|-------------------------------|----------|
| 3000 mm     | 45.0      | 77-7-30-P            | € 502,50 | 77-7-30-T                     | € 556,00 |
| 4000 mm     | 48.0      | 77-7-40-P            | € 536,00 | 77-7-40-T                     | € 589,60 |
| 5000 mm     | 51.0      | 77-7-50-P            | € 569,50 | 77-7-50-T                     | € 623,10 |
| 6000 mm     | 54.0      | 77-7-60-P            | € 609,70 | 77-7-60-T                     | € 663,30 |
| 7000 mm     | 58.0      | 77-7-70-P            | € 656,60 | 77-7-70-T                     | € 710,20 |

| Clear width | Approx.kg | Euro profile cylinder lock Part-No. | Price €  | Triangular lock and Euro profile cylinder lock at the main support Part-No. | Price €  |
|-------------|-----------|-------------------------------------|----------|---|----------|
| 3000 mm     | 45.0      | 77-7-30-C                           | € 393,90 | 77-7-30-CO  | € 629,80 |
| 4000 mm     | 48.0      | 77-7-40-C                           | € 417,40 | 77-7-40-CO  | € 663,30 |
| 5000 mm     | 51.0      | 77-7-50-C                           | € 440,80 | 77-7-50-CO  | € 696,80 |
| 6000 mm     | 54.0      | 77-7-60-C                           | € 00,47  | 77-7-60-CO  | € 727,00 |
| 7000 mm     | 58.0      | 77-7-70-C                           | € 501,80 | 77-7-70-CO  | € 783,90 |

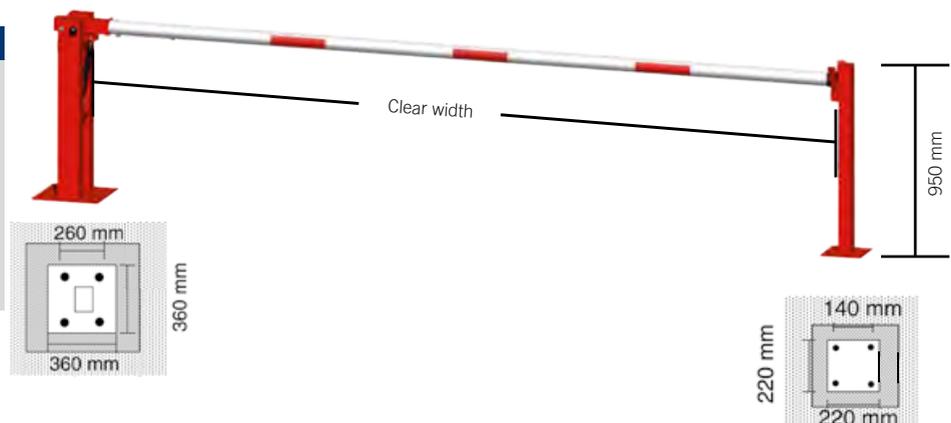
|  | Approx. kg | Part-No. | Price € |
|--|------------|----------|---------|
| <b>Set of mounting bolts type 3,</b><br>to be fixed by plugs |            | N570.73D | € 00,00 |

|  |      |          |         |
|--|------|----------|---------|
| <b>Set of ground sockets</b><br>with ground anchor plate<br>for main and supporting posts, for casting in concrete,<br>hot-dip galvanized, including bolts M16 | 16.0 | N515.92D | € 00,00 |
|--|------|----------|---------|

|                                |  |          |         |
|--------------------------------|--|----------|---------|
| <b>Pull rope reinforcement</b> |  | N515.95D | € 00,00 |
|--------------------------------|--|----------|---------|

**Recommended foundation dimensions:**  
**Main support**  
Width 550 x 550 mm, depth 900 mm

**Supporting post**  
Width 400 x 400 mm, depth 900 mm





## Swing barrier

barrier can be swiveled horizontally, with two supporting posts. Locking mechanism at the opened or closed barrier at the respective supporting post, fitted for a padlock, triangular locking mechanism acc. to DIN 3223 or Euro profile cylinder lock.

**Swiveling post:** Steel tube  $\varnothing$  102 mm

**Barrier arm:** Steel tube 60 x 40 mm

**Supporting post:** Steel tube 70 x 70 mm

**Height:** Approx. 950 mm above ground

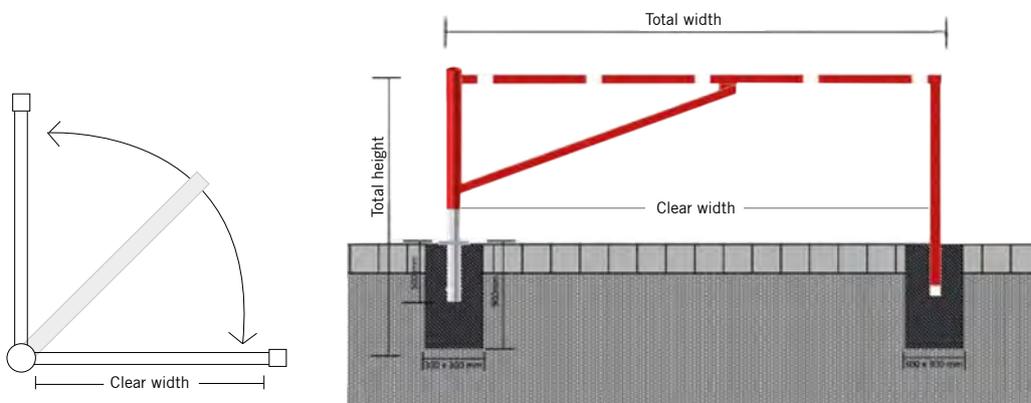
**For casting in concrete, hot-dip galvanized**



| Total width | Approx.kg | For padlock<br>Part-No. | Price €  | With triangular<br>lock<br>Part-No. | Price €  | With Euro profile<br>cylinder lock<br>Part-No. | Price €  |
|-------------|-----------|-------------------------|----------|-------------------------------------|----------|--|----------|
| 2500 mm     | 39.0      | 77-9-25-PH              | € 288,10 | 77-9-25-TH                          | € 314,90 | 77-9-25-CH                                     | € 348,40 |
| 3000 mm     | 43.0      | 77-9-30-PH              | € 304,80 | 77-9-30-TH                          | € 331,60 | 77-9-30-CH                                     | € 365,15 |
| 3500 mm     | 47.0      | 77-9-35-PH              | € 321,60 | 77-9-35-TH                          | € 348,40 | 77-9-35-CH                                     | € 381,90 |
| 4000 mm     | 49.0      | 77-9-40-PH              | € 338,30 | 77-9-40-TH                          | € 365,10 | 77-9-40-CH                                     | € 398,60 |
| 4500 mm     | 51.0      | 77-9-45-PH              | € 355,10 | 77-9-45-TH                          | € 381,90 | 77-9-45-CH                                     | € 415,40 |

**For casting in concrete, hot-dip galvanized and red coated with white reflecting stripes**

| Total width | Approx.kg | For padlock<br>Part-No. | Price €  | With triangular<br>lock<br>Part-No. | Price €  | With Euro profile<br>cylinder lock<br>Part-No. | Price €  |
|-------------|-----------|-------------------------|----------|-------------------------------------|----------|--|----------|
| 2500 mm     | 39.0      | 77-9-25-P               | € 324,90 | 77-9-25-T                           | € 358,45 | 77-9-25-C                                      | € 395,30 |
| 3000 mm     | 43.0      | 77-9-30-P               | € 341,70 | 77-9-30-T                           | € 375,20 | 77-9-30-C                                      | € 412,10 |
| 3500 mm     | 47.0      | 77-9-35-P               | € 358,45 | 77-9-35-T                           | € 391,90 | 77-9-35-C                                      | € 428,80 |
| 4000 mm     | 49.0      | 77-9-40-P               | € 375,20 | 77-9-40-T                           | € 408,70 | 77-9-40-C                                      | € 445,50 |
| 4500 mm     | 51.0      | 77-9-45-P               | € 395,30 | 77-9-45-T                           | € 428,80 | 77-9-45-C                                      | € 465,60 |



### Base plate for plugging down

Base plate for main support 360 x 360 x 8 mm including 4 holes  $\varnothing$  21 mm for anchor bolts, hole pitch 260 x 260 mm

2 base plates for supporting posts 220 x 220 x 8 mm, hole pitch 140 x 140 mm, for plugging down. Add letter **P** to part no.

Know INDIA - Valluvar Kottam is a popular monument in Chennai, Tamilnadu, India which is dedicated to the classical Tamil poet, philosopher and saint Thiruvalluvar. Thiruvalluvar wrote his famous Thirukkural





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