

Interactive PDF

Navigate comfortably and efficiently through our product catalogue!

This is how it works:

You select by one click in our table of contents and you will be guided to it immediately.

To make your journey through our product range as easy as possible, each category window is linked at the edges of the page.

This means that you always have individual access to the different categories at any time.

In addition, the buttons that you can find in the headline give you immediate access to our table of [Content](#) or lead you to your previous page

You are interested in one of our articles would like to order it, need further information, data sheets or installation recommendations?

No problem! You simply click on the picture and you will be immediately redirected to our website and the corresponding article.

URBAN EQUIPMENT

• stop • save • secure **XIP**

Web portal

The Schake web portal offers you exclusive information that gives you practical added value. You have everything bundled on our website and can independently retrieve the information you need, such as on product data, stocks and availabilities, current orders or enquiries with us.

Visit our web portal at www.schake.com



Advantages of a customer account

Manage operations

You have the option of ordering the items you need directly via the website or you can use the technical possibilities of the digital connections via EDI. You can also view the status of your orders, so you are always up to date on where your goods are.



Exclusive media data

The Schake web portal gives you the option of calling up and downloading data sheets, assembly instructions and other product information for the products you require. You can use this information to present our products on your marketing channels or use it to answer customer questions.



Current stock levels

The portal allows you to view the current stock levels of the products you need. In this way you can see which products are on stock and thus directly determine the delivery capability.





Barrier posts

Car-park barriers

Ornamental bollards

Successful together

Our values determine the standard of our work. The joy of production we owe to our employees and business partners.

Looking back into history, we can see where we have come from and which milestones have been achieved. With an awareness for our environment, we take responsibility. We do all this at Schake together- for over 115 years and in the future.

Stainless steel

Corporate Essentials



Passionate and aware of tradition

Many Schake products are installed in Europe's cities and offer citizens safety in road traffic, on footpaths and cycle paths and at construction sites. The terms: stop, save, secure have been lived for decades and are firmly anchored in the further development of the products. In addition Schake produces segments for construction equipment and traffic safety which are of great importance in these industries.

Barrier elements



Innovation and flexibility

We deal with new ideas openly and constructively. We learn from and with each other and share our knowledge globally. This enables us to develop new products and services. The Schake brand with „Made in Germany“ also proves its worth for individual solutions for special circumstances.

Barrier gates



Quality and sustainability

The product ranges stand for quality. The pursuit of environmentally friendly and socially acceptable solutions is part of the programme. The progressive development of new products is based on reliable employees who share joy in the team and are interested in shaping the company. Concretely defined goals and projects make us a future-oriented company.

Outdoor equipment

Work site protection

Barrier posts



■ Intro

02 - 03

Customer portal
Producer Schake

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03

Car-park barriers



■ Barrier posts

09 - 56

Barrier posts
Chain posts
Flexible plastic posts
Chains + Accessories

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Ornamental bollards



■ Car-park barriers

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Car-park barriers
Holding device for parking signage
Park and guide barrier
Recycling bollards

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Stainless steel



■ Ornamental bollards

69 - 90

Ornamental bollards made of
steel tube Ø 60- 193 mm
Aluminium bollards
Ornamental bollards of square tube

72 - 84
85 - 87
88 - 90

Barrier elements

Barrier gates



■ Stainless steel

91 - 102

Stainless steel barrier posts
Stainless steel bollards
Stainless steel hoops
Corten steel bollards
Lean-on hoops made of corten steel

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Outdoor equipment

Work site protection

i Freight category: A-D

The QR code can be used to see the transport costs in the various freight categories.
In case of ordering several items, the highest categorized article has to be considered.





i Interactive catalogues:

Quick access to the digital catalogue enables a fast search for the desired items. Simply scan the QR code in the catalogue or visit www.schake.com!

<p>Barrier elements</p> <p>Tubular hoops Access barriers Height restriction barriers Mobile manuel barrier Protective railing City fence / railing</p>	<p>103 - 130</p> <p>104 - 111 112 - 115 116 - 120 121 122 - 127 128 - 130</p>	
<p>Barrier gates</p> <p>Swing barriers Access barriers Manual barriers</p>	<p>131 - 140</p> <p>132 - 135, 140 136 - 137 138 - 139</p>	
<p>Outdoor equipment</p> <p>Scooter racks Bicycle stands / lean-on hoops Bollard luminaires Laundry drying stands Litter bins Planters</p>	<p>141 - 166</p> <p>142 143 - 161 162 163 164 - 165 166</p>	
<p>Work site protection</p> <p>Barrier posts Chain posts / accessories Protective hoops Protective railings Crash guards Warning and protection profiles</p>	<p>167 - 197</p> <p>168 - 179 180 - 181 182 - 188 189 - 192 193 - 196 197</p>	
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Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

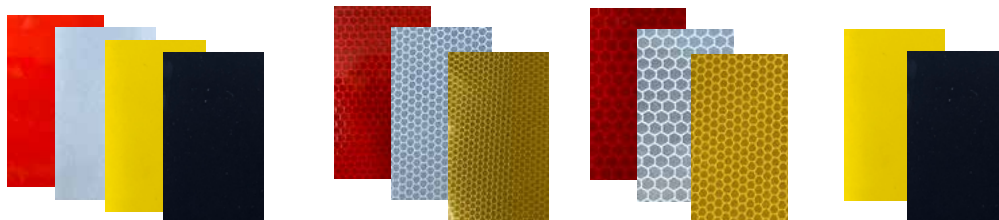
Barrier elements

Barrier gates

Outdoor equipment

Work site protection

Barrier posts



Car-park barriers

class of reflection

Type	RA1/A	RA2/B	RA2/C	non reflective
------	-------	-------	-------	----------------

Film 100 mm x 200 mm for tube Ø 60 mm

red	430.19RRA1	430.19RRA2B	430.19RRA2C	
white	430.19WRA1	430.19WRA2B	430.19WRA2C	
yellow	430.19GRA1	430.19GRA2B	430.19GRA2C	430.19G
black	430.19SRA1			430.19S
Euro	2.70	3.50	4.00	2.70

Film 110 mm x 285 mm for tube Ø 89 mm / square tube 70 x 70 mm

red	430.18RRA1	430.18RRA2B	430.18RRA2C	
white	430.18WRA1	430.18WRA2B	430.18WRA2C	
yellow	430.18GRA1	430.18GRA2B	430.18GRA2C	430.18G
black	430.18SRA1			430.18S
Euro	2.95	3.75	4.15	2.95

Film 110 mm x 330 mm for tube Ø 102 mm

red	430.182RRA1	430.182RRA2B	430.182RRA2C	
white	430.182WRA1	430.182WRA2B	430.182WRA2C	
yellow	430.182GRA1	430.182GRA2B	430.182GRA2C	430.182G
black	430.182SRA1			430.182S
Euro	3.15	4.00	4.30	3.15

Film 110 mm x 350 mm for tube Ø 108 mm

red	430.183RRA1	430.183RRA2B	430.183RRA2C	
white	430.183WRA1	430.183WRA2B	430.183WRA2C	
yellow	430.183GRA1	430.183GRA2B	430.183GRA2C	430.183G
black	430.183SRA1			430.183S
Euro	3.25	4.10	4.40	3.25

Film 110 mm x 500 mm for tube Ø 152 mm / square tube 100 x 100 mm

red	430.184RRA1	430.184RRA2B	430.184RRA2C	
white	430.184WRA1	430.184WRA2B	430.184WRA2C	
yellow	430.184GRA1	430.184GRA2B	430.184GRA2C	430.184G
black	430.184SRA1			430.184S
Euro	4.05	5.10	5.50	4.05

Film 110 mm x 620 mm for tube Ø 193 mm

red	430.186RRA1	430.186RRA2B	430.186RRA2C	
white	430.186WRA1	430.186WRA2B	430.186WRA2C	
yellow	430.186GRA1	430.186GRA2B	430.186GRA2C	430.186G
black	430.186SRA1			430.186S
Euro	4.45	5.50	5.90	4.45

Film 110 mm x 890 mm for tube Ø 275 mm

red	430.187RRA1	430.187RRA2B	430.187RRA2C	
white	430.187WRA1	430.187WRA2B	430.187WRA2C	
yellow	430.187GRA1	430.187GRA2B	430.187GRA2C	430.187G
black	430.187SRA1			430.187S
Euro	4.90	5.95	6.40	4.90

If not otherwise mentioned, we use following film for our posts:

color: red	RA1/A
white	RA1/A
yellow	non reflective
black	non reflective

Work site protection

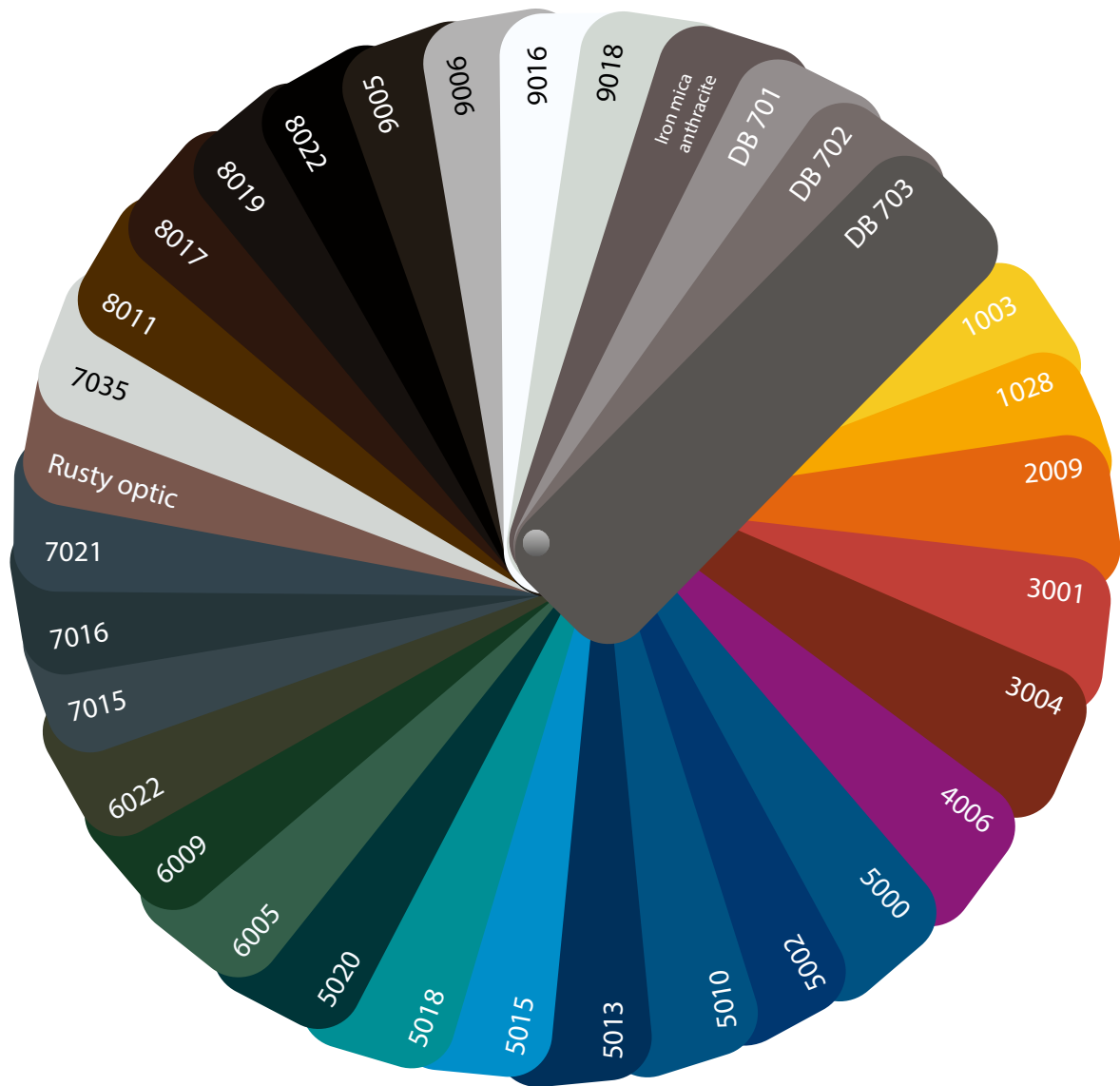
Outdoor equipment


Barrier gates

Barrier elements

Stainless steel

Ornamental bollards



 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

Also available in fine texture:
RAL 7016, DB 702, DB 703 (non-stick coating)

Two-colored:
White coated with red reflecting stripes
Yellow coated with black stripes
Other RAL colors and special paint finishes on request.

Surcharge for color change for special coatings from above color selection
(other color shade than indicated in part-no.) up to and including 10 pieces of posts, bollards etc. 30.00 Euro.

For other color shades which are not included in our color selection the following flat rates apply:
up to and including 10 pieces 60.00 Euro, from 11 pieces 90.00 Euro.

Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection

Suggestion for mounting

casting in concrete of posts or ground sockets

1.

Excavation for concrete basis

Size: Diameter/profile of post or ground socket + approx. 300 mm

Depth: Length of height below ground of post or ground socket + approx. 100 mm

2.

Gravel fill (drainage)
(for removable posts)

3.

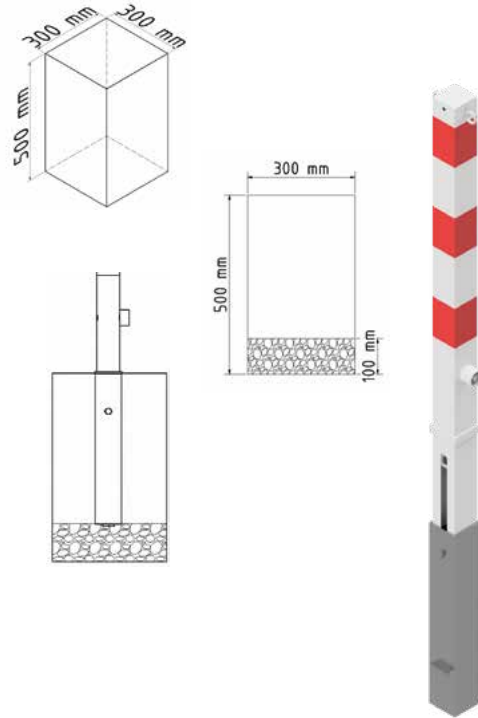
Post and socket are put central in basis hole
top edge ground socket same as top edge ground

4.

Fill with concrete, adjust perpendicular with air level and smooth by trowel.

5.

Hardening and prove locking



Eyelets for chains

Eyelets

inner diameter \varnothing 20 mm, outer diameter \varnothing 35 mm

Position of eyelets

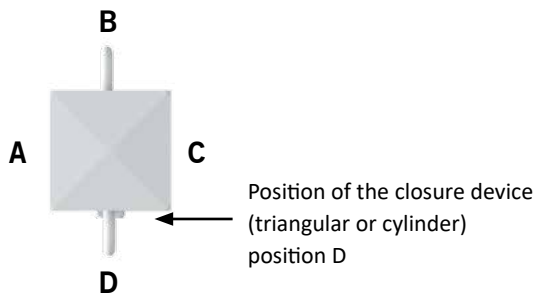
standard positions:

barrier post with 1 eyelet: position D

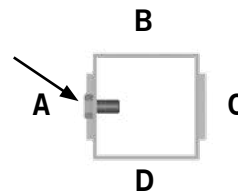
barrier post with 2 eyelets: position D + B



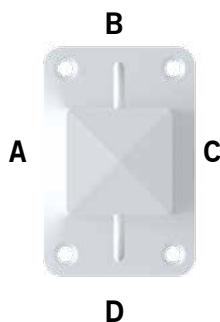
Posts removable



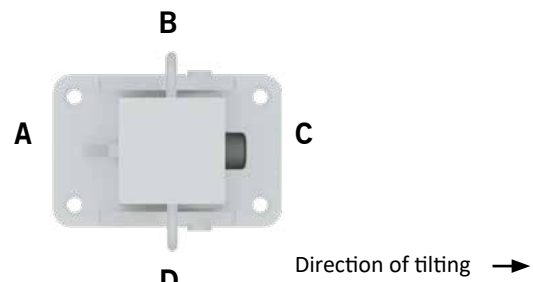
Adjustment of post in
ground socket
position A



Stationary posts with base plate



Posts foldable



Barrier posts

Barrier posts
Chain posts
Flexible plastic posts
Chains + Accessories



Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection

Symbols

basically, barrier posts are hot-dip galvanized according to EN ISO 1461.
Ornamental bollards are made of quality aluminium or hot-dip galvanized steel.

- B = Coated (white with red reflecting stripes or other color finish)
- D = Top inner triangular lock acc. to DIN 3223
- F = Fire brigade triangular lock acc. to DIN 3223
- H = Ground socket
- P = Ground anchor plate for plugging down
- U = Foldable
- V = Prepared for padlock
- Z = Euro profile cylinder lock
- +1 = 1 eyelet +2 = 2 eyelets

		Diameter in mm										Square in mm	
Standard version		42	60	76	89	102	108	152	193	273	323	70x70	100x100
Stationary for casting in concrete	catalogue page	11	12	17	21	22	23	24	26	28	29	32	43
Stationary for plugging down		11	12	17	21	22	23	24	26	28	29	32	43
Removable with triangular locking mechanism			13	18	21	22	23	25	26	28	29	32	43
Removable with Euro profile cylinder lock			13	18	21	22	23	25				35	43
Foldable with triangular locking system			14	19								34	
Foldable with Euro profile cylinder lock			14	19								35	
Special versions													
Stationary to drive in	catalogue page	11											
Stationary tiltable				20					29				
Fire brigade guide post stationary			16										
Removable without locking system			16						25	27			
Removable for padlock			15										
Removable with top inside triangular locking mechanism												36	
Foldable with top inside triangular locking mechanism												36	
Foldable with lifting and tilting mechanism												39	
Foldable 500 mm above ground												42	
Foldable for padlock				15								38	
Foldable and removable												38	
Removable with 8 mm triangular lock												41	
With triangular lock and Euro profile cylinder												37	
Fully retractable												40	

Similar products: see rubric ornamental posts, stainless steel posts, work site protection (yellow/black)

Barrier post of steel tube Ø 42 mm

Barrier posts
 steel tube Ø 42 x 2.5 mm
 with plastic cap
 900 mm above ground



A light-weight version from our range of barrier posts for private users.



4042B/2



4042PB/2



4042EB/2

Stationary, for casting in concrete
 total length: 1300 mm

		Kg	Part-No.	Euro
hot-dip galvanized	without eyelet	2.3 A	4042	17.40
	with 1 eyelet	2.3 A	4042/1	19.40
	with 2 eyelets	2.3 A	4042/2	19.90
hot-dip galvanized and white coated with red reflecting stripe	without eyelet	2.3 A	4042B	27.30
	with 1 eyelet	2.3 A	4042B/1	29.30
	with 2 eyelets	2.3 A	4042B/2	29.80

Stationary, to be fixed by plugs
 with base plate 70 x 120 mm
 and two holes for bolts

		Kg	Part-No.	Euro
hot-dip galvanized	without eyelet	2.8 A	4042P	22.40
	with 1 eyelet	2.8 A	4042P/1	24.40
	with 2 eyelets	2.8 A	4042P/2	24.90
hot-dip galvanized and white coated with red reflecting stripe	without eyelet	2.8 A	4042PB	32.00
	with 1 eyelet	2.8 A	4042PB/1	34.00
	with 2 eyelets	2.8 A	4042PB/2	34.50

Stationary, drive-in
 with drive-in tip
 total length: 1300 mm

		Kg	Part-No.	Euro
hot-dip galvanized	without eyelet	2.2 A	4042E	31.60
	with 1 eyelet	2.2 A	4042E/1	33.60
	with 2 eyelets	2.2 A	4042E/2	34.10
hot-dip galvanized and white coated with red reflecting stripe	without eyelet	2.2 A	4042EB	41.10
	with 1 eyelet	2.2 A	4042EB/1	43.10
	with 2 eyelets	2.2 A	4042EB/2	43.60

Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection

Barrier posts

This barrier or chain post can be used as a boundary post for pedestrian areas, parking lots, roads, safety zones etc.

Car-park barriers

Barrier posts

steel tube Ø 60 x 2.5 mm with welded steel cap 900 mm above ground



Ornamental bollards



460B/2

Stationary, for casting in concrete
with ground anchor
total length: 1300 mm

hot-dip galvanized

	Kg	Part-No.	Euro
without eyelet	4.9 A	460	27.10
with 1 eyelet	4.9 A	460/1	29.10
with 2 eyelets	4.9 A	460/2	29.60

hot-dip galvanized and white coated
with three red reflecting stripes

without eyelet	4.9 A	460B	37.60
with 1 eyelet	4.9 A	460B/1	39.60
with 2 eyelets	4.9 A	460B/2	40.10



Suitable mounting material for this product:
set of mounting bolts type 1



Part-No.	Euro
470.71	6,10

Further accessories pages 49-56

Stainless steel

Barrier elements

Barrier gates



460PB

Stationary, to be fixed by plugs
with base plate 100 x 150 mm

hot-dip galvanized

without eyelet	4.0 A	460P	32.60
with 1 eyelet	4.0 A	460P/1	34.60
with 2 eyelets	4.0 A	460P/2	35.10

hot-dip galvanized and white coated
with three red reflecting stripes

without eyelet	4.0 A	460PB	43.10
with 1 eyelet	4.0 A	460PB/1	45.10
with 2 eyelets	4.0 A	460PB/2	45.60

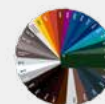
Outdoor equipment

Work site protection



Also available in yellow/black, see work site protection pages 168 ff.

Other color finishes possible;
see page 7



Barrier post of steel tube \varnothing 60 mm

The stable locking and the easy handling grant a fast release of the barricade

Barrier posts
steel tube \varnothing 60 x 2.5 mm
with welded steel cap
900 mm above ground



460FB



460ZB

Removable, with triangular locking mechanism

acc. to DIN 3223, self-engaging lock, with ground socket
part-no. 460.40, approx. 400 mm below ground

		Kg	Part-No.	Euro
hot-dip galvanized	without eyelet	6.4 A	460F	73.40
	with 1 eyelet	6.4 A	460F/1	75.40
	with 2 eyelets	6.4 A	460F/2	75.90
hot-dip galvanized and white coated with three red reflecting stripes	without eyelet	6.4 A	460FB	85.50
	with 1 eyelet	6.4 A	460FB/1	87.50
	with 2 eyelets	6.4 A	460FB/2	88.00

Removable, with Euro profile cylinder lock

three keys, self-engaging lock, with ground socket
part-no. 460.40, approx. 400 mm below ground

hot-dip galvanized	8.1 A	460Z	117.00
hot-dip galvanized and white coated with three red reflecting stripes	8.1 A	460ZB	129.00



Posts can be delivered simultaneously locking or in a locking system; see page 49



Accessories see pages 49-56



Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection

Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection



Barrier posts

steel tube Ø 60 x 2.5 mm
with welded steel cap
900 mm above ground



460FUB 470.60

Foldable, with triangular locking mechanism
acc. to DIN 3223, self-engaging lock

To be fixed by plugs
with base plate 100 x 150 mm

hot-dip galvanized Kg Part-No. Euro
5.6 A 460FU 101.00

hot-dip galvanized and white coated
with three red reflecting stripes
5.6 A 460FUB 114.00

For casting in concrete
with ground socket part-no. 470.60
approx. 400 mm below ground

hot-dip galvanized 7.9 A 460FUH 119.30

hot-dip galvanized and white coated
with three red reflecting stripes
7.9 A 460FUHB 132.30

Foldable, with Euro profile cylinder lock
three keys, self-engaging lock

To be fixed by plugs
with base plate 100 x 150 mm

hot-dip galvanized 5.8 A 460UZ 125.00

hot-dip galvanized and white coated
with three red reflecting stripes
5.8 A 460UZB 137.00

For casting in concrete
with ground socket part-no. 470.60
approx. 400 mm below ground

hot-dip galvanized 8.1 A 460UZH 143.30

hot-dip galvanized and white coated
with three red reflecting stripes
8.1 A 460UZH B 155.30



460UZB 470.60



Barrier posts also available with eyelets - add the following to the part-no.: +1 for one eyelet or +2 for 2 eyelets; accessories see page 56. Posts can be delivered simultaneously locking or in a locking system; see page 49



Barrier posts

steel tube \varnothing 60 x 2.5 mm
with welded steel cap
900 mm above ground



460VB



460UVB

470.60

Removable, for padlock

lockable, with ground socket part-no. 460.60
approx. 400 mm below ground

hot-dip galvanized

without eyelet

Kg

Part-No.

Euro

7.0 ^A

460V

43.00

with 1 eyelet

7.0 ^A

460V/1

45.00

with 2 eyelets

7.0 ^A

460V/2

45.50

hot-dip galvanized and white coated
with three red reflecting stripes

without eyelet

7.0 ^A

460VB

54.70

with 1 eyelet

7.0 ^A

460VB/1

56.70

with 2 eyelets

7.0 ^A

460VB/2

57.20

Foldable, for padlock

self-engaging lock

To be fixed by plugs

with base plate 100 x 150 mm

hot-dip galvanized

6.5 ^A

460UV

114.00

hot-dip galvanized and white coated
with three red reflecting stripes

6.5 ^A

460UVB

125.00

For casting in concrete

with ground socket part-no. 470.60
approx. 400 mm below ground

hot-dip galvanized

8.7 ^A

460UVH

132.30

hot-dip galvanized and white coated
with three red reflecting stripes

8.7 ^A

460UVHB

143.30



Suitable mounting material for this product:
set of mounting bolts type 1

Part-No. Euro

470.71 6.10

Further accessories pages 49-56



Barrier posts

steel tube \varnothing 60 x 2.5 mm
with welded steel cap
900 mm above ground



460HB

Removable, without locking mechanism

with ground socket part-no. 460.10 approx. 400 mm below ground

hot-dip galvanized

without eyelet

Kg

Part-No.

Euro

6.8

A

460H

37.10

with 1 eyelet

6.8

A

460H/1

39.10

with 2 eyelets

6.8

A

460H/2

39.60

hot-dip galvanized and white coated
with three red reflecting stripes

without eyelet

6.8

A

460HB

47.60

with 1 eyelet

6.8

A

460HB/1

49.60

with 2 eyelets

6.8

A

460HB/2

50.10

Fire brigade guide posts

steel tube \varnothing 60 x 2.5 mm
500 mm above ground

Stationary, for casting in concrete

with ground anchor

total length: 900 mm

hot-dip galvanized and white coated
with approx. 100 mm black head end

2.8

A

4061B

32.90



4061B

Barrier posts

steel tube \varnothing 76 x 2.6 mm
with welded steel cap
900 mm above ground



476B

Stationary, for casting in concrete
with ground anchor
total length: 1400 mm

hot-dip galvanized

	Kg	Part-No.	Euro
without eyelet	7.0 A	476	41.10
with 1 eyelet	7.0 A	476/1	43.10
with 2 eyelets	7.0 A	476/2	43.60

hot-dip galvanized and white coated
with three red reflecting stripes

without eyelet	7.0 A	476B	51.40
with 1 eyelet	7.0 A	476B/1	53.40
with 2 eyelets	7.0 A	476B/2	53.90



476PB

Stationary, to be fixed by plugs
with base plate 100 x 150 mm
total length: 900 mm

hot-dip galvanized

without eyelet	5.1 A	476P	49.70
with 1 eyelet	5.1 A	476P/1	51.70
with 2 eyelets	5.1 A	476P/2	52.20

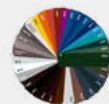
hot-dip galvanized and white coated
with three red reflecting stripes

without eyelet	5.1 A	476PB	61.20
with 1 eyelet	5.1 A	476PB/1	63.20
with 2 eyelets	5.1 A	476PB/2	63.70



Also available in yellow/black, see work site protection page 168

Other color finishes possible;
see page 7



Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection



Barrier posts

steel tube Ø 76 x 2.6 mm
with welded steel cap
900 mm above ground



476FB

Removable, with triangular locking mechanism
acc. to DIN 3223, self-engaging lock, with ground
socket part-no. 476.40, approx. 400 mm below ground


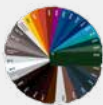
	Kg	Part-No.	Euro
hot-dip galvanized	12.0 ^A	476F	101.00
hot-dip galvanized and white coated with three red reflecting stripes	12.0 ^A	476FB	116.00





476ZB

Removable, with Euro profile cylinder lock
three keys, self-engaging lock, with ground
socket part-no. 476.40, approx. 400 mm below ground

hot-dip galvanized	12.0 ^A	476Z	151.00
hot-dip galvanized and white coated with three red reflecting stripes	12.0 ^A	476ZB	163.00

 Other color finishes possible;
see page 7 

  Barrier posts also available with eyelets - add the following to the
part-no.: +1 for one eyelet or +2 for 2 eyelets; accessories see page 56.
Posts can be delivered simultaneously locking or in a locking system;
see page 49

Barrier posts

steel tube \varnothing 76 x 2.6 mm
with welded steel cap
900 mm above ground



476FUB 470.60

Foldable, with triangular locking mechanism
acc. to DIN 3223, self-engaging lock

To be fixed by plugs

with base plate 100 x 150 mm

hot-dip galvanized

Kg

Part-No.

Euro

6.8 ^A

476FU

136.00

hot-dip galvanized and white coated
with three red reflecting stripes

6.8 ^A

476FUB

149.00

For casting in concrete

with ground socket part-no. 470.60
approx. 400 mm below ground

hot-dip galvanized

9.2 ^A

476FUH

154.30

hot-dip galvanized and white coated
with three red reflecting stripes

9.2 ^A

476FUHB

167.30



476UZB 470.60

Foldable, with Euro profile cylinder lock

three keys, self-engaging lock

To be fixed by plugs

with base plate 100 x 150 mm

hot-dip galvanized

8.6 ^A

476UZ

151.00

hot-dip galvanized and white coated
with three red reflecting stripes

8.6 ^A

476UZB

164.00

For casting in concrete

with ground socket part-no. 470.60
approx. 400 mm below ground

hot-dip galvanized

10.9 ^A

476UZH

169.30

hot-dip galvanized and white coated
with three red reflecting stripes

10.9 ^A

476UZHB

182.30

Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection



Barrier posts
steel tube Ø 76 x 2.6 mm
with welded steel cap
900 mm above ground



4076PB

Stationary, can be tilted 30° to all sides
with base plate 100 x 150 mm
for plugging down or
for fixing to ground socket part-no. 470.60

hot-dip galvanized

Kg

Part-No.

Euro

5.9 A

4076P

88.00

hot-dip galvanized and white coated
with three red reflecting stripes

5.9 A

4076PB

103.00



Suitable mounting material for this product:

set of mounting bolts type 1



Part-No. Euro
470.71 6.10



470.60

Ground socket for casting in concrete
(order together with the barrier post if you want
to cast in concrete)

2.3 A

470.60

18.30



Barrier posts also available with eyelets - add the following to the part-no.: +1 for one eyelet or +2 for 2 eyelets; accessories see page 49-56

Other color finishes possible; see page 7



Barrier posts

steel tube \varnothing 89 x 2.9 mm
with welded steel cap
900 mm above ground



Stationary, for casting in concrete
with ground anchor, total length:
approx. 1300 mm

hot-dip galvanized

Kg

Part-No.

Euro

8.8 ^A

489

64.50

hot-dip galvanized and white coated
with three red reflecting stripes

8.8 ^A

489B

79.70

To be fixed by plugs,
with base plate 100 x 150 mm

hot-dip galvanized

6.7 ^A

489P

78.90

hot-dip galvanized and white coated
with three red reflecting stripes

6.7 ^A

489PB

92.10

Removable, self-engaging lock, with hot-dip galvanized
ground socket part-no. 470.10, approx. 500 mm below ground

with triangular locking mechanism acc. to DIN 3223

hot-dip galvanized

12.5 ^A

489F

151.00

hot-dip galvanized and white coated
with three red reflecting stripes

12.5 ^A

489FB

168.00

with profile cylinder lock, three keys incl.

hot-dip galvanized

11.8 ^A

489Z

221.00

hot-dip galvanized and white coated
with three red reflecting stripes

11.8 ^A

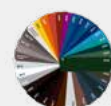
489ZB

235.00



Also available in yellow/black, see work site protection pages 168 ff.

Other color finishes possible;
see page 7



Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment


Work site protection



Barrier posts
steel tube Ø 102 x 2.9 mm
with welded steel cap
900 mm above ground



	Kg	Part-No.	Euro
Stationary, for casting in concrete with ground anchor total length: approx. 1300 mm			
hot-dip galvanized	9.5 A	491	72.80
hot-dip galvanized and white coated with three red reflecting stripes	9.5 A	491B	89.20
Stationary, to be fixed by plugs with base plate 200 x 200 mm			
hot-dip galvanized	9.4 A	491P	92.00
hot-dip galvanized and white coated with three red reflecting stripes	9.4 A	491PB	107.00
Removable, self-engaging lock, with hot-dip galvanized ground socket part-no. 470.10, approx. 500 mm below ground			
with triangular locking mechanism acc. to DIN 3223			
hot-dip galvanized	14.9 A	491F	165.00
hot-dip galvanized and white coated with three red reflecting stripes	14.9 A	491FB	187.00
with profile cylinder lock, three keys incl.			
hot-dip galvanized	12.8 A	491Z	235.00
hot-dip galvanized and white coated with three red reflecting stripes	12.8 A	491ZB	249.00

 Barrier posts also available with eyelets; see page 56

Barrier posts

steel tube \varnothing 108 x 2.9 mm
with welded steel cap
900 mm above ground



Stationary, for casting in concrete
with ground anchor
total length: approx. 1300 mm

hot-dip galvanized

Kg

Part-No.

Euro

11.0 ^A

493

84.70

hot-dip galvanized and white coated
with three red reflecting stripes

11.0 ^A

493B

104.00

Stationary, to be fixed by plugs
with base plate 200 x 200 mm

hot-dip galvanized

11.0 ^A

493P

105.00

hot-dip galvanized and white coated
with three red reflecting stripes

11.0 ^A

493PB

124.00

Removable, self-engaging lock, with hot-dip galvanized
ground socket part-no. 470.10, approx. 500 mm below ground

with triangular locking mechanism acc. to DIN 3223

hot-dip galvanized

14.0 ^A

493F

181.00

hot-dip galvanized and white coated
with three red reflecting stripes

14.0 ^A

493FB

204.00

with profile cylinder lock, three keys incl.

hot-dip galvanized

13.2 ^A

493Z

241.00

hot-dip galvanized and white coated
with three red reflecting stripes

13.2 ^A

493ZB

263.00



Other color finishes possible; see page 7



Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection



40151B

Steel tube bollards Ø 152 x 3.2 mm
with welded steel cap

Stationary, for casting in concrete

	Total length in mm	1200	1500	2000
hot-dip galvanized	Kg	13.3 ^A	16.5 ^B	21.9 ^B
	Part-No.	40150	40151	40152
	Euro	106.00	119.00	144.00
hot-dip galvanized and white coated with three red reflecting stripes	Part-No.	40150B	40151B	40152B
	Euro	129.00	144.00	167.00

Removable caps for filling bollards with concrete



Steel cap for bolting
Replaces welded steel cap

Add letter **L** to the Part-No.
Add. charge: 26.00 Euro



Steel cap with concrete anchor
Replaces welded steel cap

Add letter **A** to the Part-No.
Add. charge: 5.00 Euro



40153B

Steel tube bollards Ø 152 x 3.2 mm
with welded steel cap

For plugging down, with base plate 220 x 220 mm

	Total length in mm	1000
hot-dip galvanized	Kg	13.9 ^A
	Part-No.	40153
	Euro	126.00
hot-dip galvanized and white coated with three red reflecting stripes	Part-No.	40153B
	Euro	151.00



Suitable fastening material for this product:

Set of mounting bolts type 2

Part-No.	Euro
470.72	23.20

Further accessories see page 49

Steel tube bollards removable

for temporary remove



40151HB

Steel tube bollards Ø 152 x 3.2 mm

with welded steel cap,
including ground socket part-no. 40151.10
approx. 500 mm below ground

hot-dip galvanized

hot-dip galvanized and white coated
with three red reflecting stripes

Removable, without locking mechanism

Total length in mm	1500	2000
Kg	26.0 ^B	32.0 ^B
Part-No.	40151H	40152H
Euro	173.00	199.00

Part-No.	40151HB	40152HB
Euro	198.00	221.00

Steel tube bollards Ø 152 x 3.2 mm

with welded steel cap,
height above ground: 1000 mm
including ground socket part-no. 470.10
approx. 500 mm below ground

hot-dip galvanized

hot-dip galvanized and white coated
with three red reflecting stripes

hot-dip galvanized

hot-dip galvanized and white coated
with three red reflecting stripes

Removable, with triangular lock

Kg	20.1 ^B
Part-No.	40151F
Euro	221.00

Part-No.	40151FB
Euro	244.00

Removable, with Euro profile cylinder lock three keys

Kg	17.5 ^B
Part-No.	40151Z
Euro	287.00

Part-No.	40151ZB
Euro	312.00

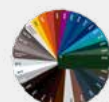


40151FB



Also available in yellow/black, see work site protection pages 172

Other color finishes possible;
see page 7



Barrier posts

These heavy bollards can be used as crash guard, particularly in front of entrances, halls, service stations, etc. They can also protect roof overhangs or serve as guiding bollard in front of ramps, gates, etc.

Car-park barriers



Ornamental bollards



40191B

Stainless steel

Steel tube bollards Ø 193 x 3.6 mm
with welded steel cap

Stationary, for casting in concrete

	Total length in mm	1200	1500	2000
hot-dip galvanized	Kg	20.9 ^A	26.0 ^B	34.4 ^B
	Part-No.	40190	40191	40192
	Euro	168.00	191.00	236.00
hot-dip galvanized and white coated with three red reflecting stripes	Part-No.	40190B	40191B	40192B
	Euro	192.00	223.00	276.00

Barrier elements

Removable caps for filling bollards with concrete



Steel cap for bolting
Replaces welded steel cap

Add letter **L** to the Part-No.
Add. charge: 26.00 Euro



Steel cap with concrete anchor
Replaces welded steel cap

Add letter **A** to the Part-No.
Add. charge: 5.00 Euro

Barrier gates



40193B

Outdoor equipment

Steel tube bollards Ø 193 x 3.6 mm
with welded steel cap

For plugging down, with base plate 360 x 360 mm

	Total length in mm	1000
hot-dip galvanized	Kg	23.6 ^A
	Part-No.	40193
	Euro	218.00
hot-dip galvanized and white coated with three red reflecting stripes	Part-No.	40193B
	Euro	248.00

Work site protection



Suitable fastening material for this product:

Set of mounting bolts type 2

Part-No.	Euro
470.72	23.20

Further accessories see page 49

Steel tube bollards removable for temporary remove



40191HB

Steel tube bollard \varnothing 193 x 3.6 mm

with welded steel cap, including ground socket part-no. 40191.10 approx. 500 mm below ground

hot-dip galvanized

hot-dip galvanized and white coated with three red reflecting stripes

Removable, without locking mechanism

Total length in mm	1500	2000
Kg	38.0 ^B	50.0 ^B
Part-No.	40191H	40192H
Euro	266.00	314.00

Part-No.	40191HB	40192HB
Euro	296.00	352.00



40191FB

Steel tube bollard \varnothing 193 x 3.6 mm

with welded steel cap, height above ground: 1000 mm including ground socket part-no. 470.10 approx. 500 mm below ground

hot-dip galvanized

hot-dip galvanized and white coated with three red reflecting stripes

Removable, with triangular lock

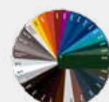
Kg	27.6 ^B
Part-No.	40191F
Euro	308.00

Part-No.	40191FB
Euro	349.00



Also available in yellow/black, see work site protection page 174

Other color finishes possible; see page 7





40271

Steel tube bollards \varnothing 273 x 5.0 mm with welded steel cap

Stationary, for casting in concrete

hot-dip galvanized

Total length in mm	1500	2000
Kg	51.1 ^B	67.6 ^B
Part-No.	40271	40272
Euro	406.00	510.00

hot-dip galvanized and white coated
with three red reflecting stripes

Part-No.	40271B	40272B
Euro	462.00	575.00

Removable caps for filling bollards with concrete



Steel cap with concrete anchor
Replaces welded steel cap

Add letter **A** to the Part-No.
Add. charge: 5.00 Euro



40273B

Steel tube bollards \varnothing 273 x 5.0 mm with welded steel cap

Stationary, for casting in concrete
with base plate 360 x 360 mm

hot-dip galvanized

Total length in mm	1500
Kg	58.9 ^B
Part-No.	40273
Euro	491.00

hot-dip galvanized and white coated
with three red reflecting stripes

Part-No.	40273B
Euro	550.00



Suitable fastening material for this product:
Set of mounting bolts type 2

Part-No. Euro
470.72 23,20

Further accessories see page 49

These heavy bollards can be used as crash guard, particularly in front of entrances, halls, service stations, etc. They can also protect roof overhangs or serve as guiding bollard in front of ramps, gates, etc.



40321B

Steel tube bollards \varnothing 323 x 5.0 mm

with welded steel cap

Stationary, for casting in concrete

hot-dip galvanized

Total length in mm	1500	2000	2400
Kg	60.0 ^B	80.5 ^B	96.0 ^B
Part-No.	40321	40322	40324
Euro	570.00	700.00	780.00

hot-dip galvanized and white coated
with three red reflecting stripes

Part-No.	40321B	40322B	40324B
Euro	635.00	765.00	855.00

Removable caps for filling bollards with concrete



Steel cap with concrete anchor
Replaces welded steel cap

Add letter **A** to the Part-No.
Add. charge: 5.00 Euro



Also available in yellow/black, see work site protection page 177

Other color finishes possible;
see page 7



Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection



Steel tube bollard \varnothing 152 x 3.2 mm
with welded steel cap,
tiltable

stationary, for plugging down

Total length in mm **1000** **1500**

Kg 30.0 ^A 35.3 ^B

Part-No. 401530N 401535N

Euro 401.00 423.00

hot-dip galvanized

hot-dip galvanized and white coated
with three red reflecting stripes

Part-No. 401530NB 401535NB

Euro 424.00 447.00



401530NB



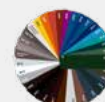
This tiltable steel tube bollard is suitable for high pressure and comes back to start position after pressure release

For protecting buildings and to minimize damages on cars



These posts are available in yellow/black, see section work site protection page 178

Other color finishes possible; see page 7





Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection

Protective bollard for battery charging station

stationary, for casting in concrete with ground anchor
height above ground: 900 mm



hot-dip galvanized and white coated with three red reflective strips

	Kg	Part-No.	Euro
Ø 76 mm	7.0 ^A	476B	51.40
Ø 89 mm	8.8 ^A	489B	79.70
Ø 102 mm	9.5 ^A	491B	89.20

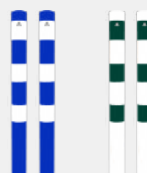


hot-dip galvanized and yellow coated with three black strips

Ø 76 mm	7.0 ^A	476BG	51.40
Ø 89 mm	8.8 ^A	489BG	79.70
Ø 102 mm	9.5 ^A	491BG	89.20



On customer request different colors of foilage possible!



Barrier posts

A very sturdy boundary post, can be used for all applications, ideal also as barrier chain post.

Car-park barriers

Barrier posts
square tube 70 x 70 mm with welded steel cap 900 mm above ground



Ornamental bollards



470B

Stainless steel

Barrier elements

Stationary, for casting in concrete
with ground anchor
total length: 1300 mm

hot-dip galvanized

	Kg	Part-No.	Euro
without eyelet	7.2 A	470	44.60
with 1 eyelet	7.2 A	470/1	46.60
with 2 eyelets	7.2 A	470/2	47.10

hot-dip galvanized and white coated with three red reflecting stripes

without eyelet	7.2 A	470B	59.50
with 1 eyelet	7.2 A	470B/1	61.50
with 2 eyelets	7.2 A	470B/2	62.00



Suitable fastening material for this product:

Set of mounting bolts type 1



Part-No.	Euro
470.71	6.10

Further accessories see page 49

Barrier gates



470PB

Outdoor equipment

Stationary, to be fixed by plugs
with base plate 100 x 150 mm

hot-dip galvanized

without eyelet	5.6 A	470P	50.20
with 1 eyelet	5.6 A	470P/1	52.20
with 2 eyelets	5.6 A	470P/2	52.70

hot-dip galvanized and white coated with three red reflecting stripes

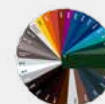
without eyelet	5.6 A	470PB	65.80
with 1 eyelet	5.6 A	470PB/1	67.80
with 2 eyelets	5.6 A	470PB/2	68.30

Work site protection



Also available in yellow/black, see work site protection pages 168 ff

Other color finishes possible; see page 7



Barrier post of steel tube 70 x 70 mm

This post is ideal for barricading places, entrances, street and pedestrian areas, etc. The sturdy, maintenance-free triangular locking mechanism acc. to DIN 3223 makes it easy to handle without much effort even after many years. All posts are hot-dip galvanized for longer life.

Barrier posts

square tube 70 x 70 mm
with welded steel cap
900 mm above ground



470FB

Removable, with triangular locking mechanism
acc. to DIN 3223, self-engaging lock, with
ground socket part-no. 470.10, approx. 500 mm long

hot-dip galvanized

	Kg	Part-No.	Euro
without eyelet	11.5 A	470F	102.00
with 1 eyelet	11.5 A	470F/1	104.00
with 2 eyelets	11.5 A	470F/2	104.50

hot-dip galvanized and white coated
with three red reflecting stripes

without eyelet	11.5 A	470FB	116.00
with 1 eyelet	11.5 A	470FB/1	118.00
with 2 eyelets	11.5 A	470FB/2	118.50



• stop • save • secure



Accessories see pages 49-56



Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection

A barrier post for heavy-duty everyday service. Strong corrosion-protected (hot dip galvanized) hinged base plate with strong hinge pin and sturdy, tear-proof mounting bracket. The maintenance-free leaf spring-loaded locking mechanism can be opened by a DIN conforming triangular wrench without effort at any time.



Barrier posts

steel tube 70 x 70 mm with welded steel cap 900 mm above ground



Foldable, with triangular locking mechanism
acc. to DIN 3223, with leaf spring, self-engaging lock

To be fixed by plugs
with base plate 100 x 150 mm

hot-dip galvanized Kg Part-No. Euro
7.5 ^A 470FU 118.00

hot-dip galvanized and white coated with three red reflecting stripes
7.5 ^A 470FUB 131.00

For casting in concrete
with ground socket part-no. 470.60 approx. 400 mm below ground

hot-dip galvanized 10.0 ^A 470FUH 136.30

hot-dip galvanized and white coated with three red reflecting stripes 10.0 ^A 470FUHB 149.30



Suitable fastening material for this product:

Set of mounting bolts type 1

Part-No. Euro

470.71 6.10

Further accessories see page 49

Barrier post of steel tube 70 x 70 mm

A very stable barrier post, not just for private use.

Barrier posts

steel tube 70 x 70 mm with welded steel cap 900 mm above ground



470UZB



470.60



470ZB



Foldable, with Euro profile cylinder lock
three keys, self-engaging lock

To be fixed by plugs
with base plate 100 x 150 mm

hot-dip galvanized

Kg

Part-No.

Euro

9.0 ^A

470UZ

133.00

hot-dip galvanized and white coated
with three red reflecting stripes

9.0 ^A

470UZB

145.00

For casting in concrete
with ground socket part-no. 470.60
approx. 400 mm below ground

hot-dip galvanized

11.3 ^A

470UZH

151.30

hot-dip galvanized and white coated
with three red reflecting stripes

11.3 ^A

470UZH B

163.30

Removable, with Euro profile cylinder lock
three keys, self-engaging lock, with ground
socket part-no. 470.10 approx. 500 mm below ground

hot-dip galvanized

13.2 ^A

470Z

140.00

hot-dip galvanized and white coated
with three red reflecting stripes

13.2 ^A

470ZB

153.00



Posts can be delivered simultaneously
locking or in a locking system;
see page 49

Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection

Barrier posts

With top inside triangular locking mechanism.
Alternative to 470F - 470FB or 470FU - FUB

Car-park barriers

Barrier posts
steel tube 70 x 70 mm
with steel cap
900 mm above ground



Ornamental bollards



470DB

Stainless steel

Removable, with triangular locking mechanism
acc. to DIN 3223, top inside, self-engaging lock,
with ground socket part-no. 470.10,
approx. 500 mm below ground

hot-dip galvanized

Kg Part-No. Euro

13.0 ^A 470D 122.00

hot-dip galvanized and white coated
with three red reflecting stripes

13.0 ^A 470DB 138.00

Barrier elements

Barrier gates

Foldable, with triangular locking mechanism
acc. to DIN 3223, top inside,
self-engaging lock

To be fixed by plugs
with base plate 100 x 150 mm

hot-dip galvanized

8.7 ^A 470UD 140.00

hot-dip galvanized and white coated
with three red reflecting stripes

8.7 ^A 470UDB 153.00

Outdoor equipment



470UDB

470.60

For casting in concrete
with ground socket part-no. 470.60,
approx. 400 mm below ground

hot-dip galvanized

11.0 ^A 470UDH 159.00

hot-dip galvanized and white coated
with three red reflecting stripes

11.0 ^A 470UDHB 171.00

Work site protection

Barrier post of steel tube 70 x 70 mm

These barrier posts can be opened both with a Euro profile cylinder key and a triangular wrench that conforms with DIN 3223. This ensures that the fire brigade and rescue services have access at any time.

Barrier posts

steel tube 70 x 70 mm
with steel cap
900 mm above ground



470FZB

Removable, with Euro profile cylinder lock

three keys and **triangular locking mechanism** acc. to DIN 3223, self-engaging lock, with ground socket part-no. 470.10, approx. 500 mm below ground

hot-dip galvanized

Kg

Part-No.

Euro

13.3 A

470FZ

161.00

hot-dip galvanized and white coated with three red reflecting stripes

13.0 A

470FZB

173.00



470FUZB

470.60

Foldable, with Euro profile cylinder lock

three keys and **triangular locking mechanism** acc. to DIN 3223, self-engaging lock

To be fixed by plugs

with base plate 100 x 150 mm

hot-dip galvanized

9.2 A

470FUZ

155.00

hot-dip galvanized and white coated with three red reflecting stripes

9.2 A

470FUZB

170.00

For casting in concrete

with ground socket part-no. 470.60, approx. 400 mm below ground

hot-dip galvanized

11.5 A

470FUZH

173.30

hot-dip galvanized and white coated with three red reflecting stripes

11.5 A

470FUZHB

188.30

Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection



Barrier posts

steel tube 70 x 70 mm
with steel cap
900 mm above ground

If the situation requires, foldable barrier posts that can also be removed can be used. The multipurpose wrench part-no. 470.40 is required in any case (order it with the post).



4701FUZHB

Foldable and removable

with ground socket part-no. 470.10, approx. 500 mm below ground

hot-dip galvanized

with triangular locking mechanism

12.5 A 4701FUH 159.00

with Euro profile cylinder lock

14.0 A 4701UZH 176.00

with triangular and Euro profile cylinder lock

14.2 A 4701FUZH 186.00

hot-dip galvanized and white coated with
three red reflecting stripes

with triangular locking mechanism

12.5 A 4701FUHB 177.00

with Euro profile cylinder lock

14.0 A 4701UZHB 194.00

with triangular and Euro profile cylinder lock

14.2 A 4701FUZHB 203.00

Multipurpose wrench



470.40

0.4 A 470.40 9.15

Foldable, for padlock

self-engaging lock

To be fixed by plugs

with base plate 100 x 150 mm

hot-dip galvanized

8.9 A 470UV 137.00

hot-dip galvanized and white coated
with three red reflecting stripes

8.9 A 470UVB 151.00

For casting in concrete

with ground socket part-no. 470.60,
approx. 400 mm below ground

hot-dip galvanized

11.2 A 470UVH 155.30

hot-dip galvanized and white coated
with three red reflecting stripes


11.2 A 470UVHB 169.30



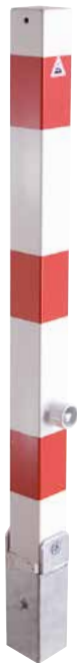
470UVB

470.60



 Extra safety by pushing the foldable post into the ground socket.

Barrier posts
steel tube 70 x 70 mm
with welded steel cap
900 mm above ground



470FUKHB

Foldable, with triangular locking mechanism
acc. to DIN 3223, **with lifting and tilting mechanism,**
with leaf spring, self-engaging
lock including ground socket

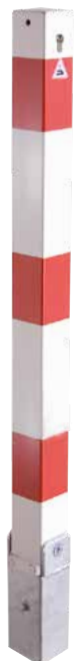
hot-dip galvanized

Kg Part-No. Euro

11.0 ^A 470FUKH 141.00

hot-dip galvanized and white coated
with three red reflecting stripes

11.0 ^A 470FUKHB 154.00



470UZKHB

Foldable, with Euro profile cylinder lock
with three keys, self-engaging lock,
with lifting and tilting mechanism,
with flat spring, self locking with ground socket

hot-dip galvanized

12.3 ^A 470UZKH 221.00

hot-dip galvanized and white coated
with three red reflecting stripes

12.3 ^A 470UZKHB 234.00

Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection

Barrier post

steel tube 70 x 70 mm
900 mm above ground



470DL

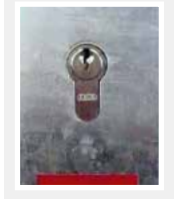


470ZL

Triangular locking mechanism



Euro profile cylinder



Fully retractable with triangular locking system
acc. to DIN 3223, ground socket 80 x 80 x 3 mm,
overall length: approx. 1100 mm

hot-dip galvanized
with white / red reflecting stripes

Kg Part-No. Euro

16.8 ^A 470DL 192.00

Fully retractable, with Euro profile cylinder lock
with ground socket part-no. 80 x 80 x 3 mm
total length: approx. 1100 mm

hot-dip galvanized
with white / red reflecting stripes

17.1 ^A 470ZL 203.00



Instructions for mounting

Always pay attention to adequate drainage for removable posts (provide gravel fill).
Do not install in standing water.

Barrier post of steel tube 70 x 70 mm

Barrier post with 8 mm triangular locking mechanism as interesting alternative to the Euro profile cylinder lock or the conventional triangular locking mechanism acc. with DIN 3223. The post can be unlocked without effort with a small, handy 8 mm triangular wrench.



Barrier posts

steel tube 70 x 70 mm
900 mm above ground

With 8 mm triangular lock



470NB

Removable, with 8 mm triangular lock

self-engaging lock, including an 8 mm triangular wrench part-no. 4039, with ground socket part-no. 470.10, approx. 500 mm below ground

hot-dip galvanized
hot-dip galvanized and red coated with reflecting stripes

Kg Part-No. Euro

12.8 A 470N 144.00

12.8 A 470NB 158.00

Foldable, with 8 mm triangular lock

self-engaging lock, including an 8 mm triangular wrench part-no. 4039

To be fixed by plugs

with base plate 100 x 150 mm

hot-dip galvanized
hot-dip galvanized and red coated with reflecting stripes

7.3 A 470UN 150.00

7.3 A 470UNB 163.00

For casting in concrete

with ground socket part-no. 470.60, approx. 400 mm below ground

hot-dip galvanized
hot-dip galvanized and red coated with reflecting stripes

9.6 A 470UNH 168.30

9.6 A 470UNHB 181.30



470UNB



470.60



4039

8 mm triangular lock key

key for opening the posts

0.1 A 4039 4.10

Barrier posts

This 500 mm high post is very suitable for parking situation without enough space

Car-park barriers

Barrier posts

steel tube 70 x 70 mm
500 mm above ground



Ornamental bollards



4715FUB

Foldable, with triangular locking mechanism
acc. to DIN 3223, self-engaging lock

To be fixed by plugs

with base plate 100 x 150 mm or for mounting to ground socket part-no. 470.60

- hot-dip galvanized
- hot-dip galvanized and white coated with two red reflecting stripes

Kg	Part-No.	Euro
5.4 A	4715FU	118.00
5.4 A	4715FUB	131.00

Stainless steel

Barrier elements



4715UZB

Foldable, with Euro profile cylinder lock
with three keys, self-engaging lock

To be fixed by plugs

with base plate 100 x 150 mm or for mounting to ground socket part-no. 470.60

- hot-dip galvanized
- hot-dip galvanized and white coated with two red reflecting stripes

6.0 A	4715UZ	135.00
6.0 A	4715UZB	149.00

Barrier gates

Outdoor equipment



470.60

Ground socket

for casting in concrete
(order together with the barrier post if you want to cast in concrete)

2.3 A	470.60	18.30
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Work site protection

Barrier post of steel tube 100 x 100 mm

A heavy, sturdy barrier post for special purposes.

Barrier posts
steel tube 100 x 100 x 3 mm
with welded steel cap
950 mm above ground



40100B



40100PB



40100FB

Stationary, for casting in concrete
with ground anchor
total length: 1250 mm

hot-dip galvanized

Kg

Part-No.

Euro

11.1 A

40100

79.40

hot-dip galvanized and white coated
with red reflecting stripes

11.1 A

40100B

97.80

Stationary, to be fixed by plugs
with base plate 200 x 200 mm

hot-dip galvanized

10.8 A

40100P

91.50

hot-dip galvanized and white coated
with red reflecting stripes

10.8 A

40100PB

110.00

Removable, with triangular locking mechanism
acc. to DIN 3223, with self-engaging lock with
ground socket part-no. 470.10, approx. 500 mm below ground

with triangular locking mechanism acc. to DIN 3223

hot-dip galvanized

16.7 A

40100F

195.00

hot-dip galvanized and white coated with
three red reflecting stripes

16.7 A

40100FB

214.00

with profile cylinder lock, three keys incl.

hot-dip galvanized

16.7 A

40100Z

250.00

hot-dip galvanized and white coated with
three red reflecting stripes

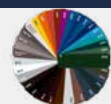
16.7 A

40100ZB

269.00



Other color finishes possible; see page 7



Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection



470PB/1



470.60

Barrier chain posts with profile lock cylinders for hooking up and locking chains (engages automatically, unlocks by key), suitable particularly for securing larger areas for parking or efficiently keeping traffic away from property gates, courtyards, loading and unloading areas, etc. These barrier chain posts are very easy to handle. The barrier post is unlocked by the key, and when the car has been parked the chain is hooked into the locking mechanism of the post. It locks automatically. The mechanism is maintenance-free. For versatile use, e.g., in multi-story car parks or as access barrier. It also prevents the parking of two-wheelers. Can be used as serial system.

Barrier chain post

square tube 70 x 70 mm
900 mm above ground

Locking mechanism, with Euro profile cylinder lock
with three keys

For plugging down, with base plate 100 x 150 mm
or for mounting to ground socket part-no. 470.60

		Kg	Part-No.	Euro
hot-dip galvanized	Without eyelet	6.1 ^A	4711P	103.00
hot-dip galvanized for serial systems (center post)	With 1 eyelet	6.1 ^A	4711P+1	108.00
hot-dip galvanized and white coated with three red reflecting stripes	Without eyelet	6.1 ^A	4711PB	118.00
hot-dip galvanized and white coated with three red reflecting stripes for serial systems (center post)	With 1 eyelet	6.1 ^A	4711PB+1	123.00
End post without lock				52.20
hot-dip galvanized	With 1 eyelet	5.6 ^A	470P/1	
hot-dip galvanized and white coated with three red reflecting stripes	With 1 eyelet	5.6 ^A	470PB/1	67.80
Ground socket for casting in concrete (order together with the barrier post if you want to cast in concrete)				18.30
		2.3 ^A	470.60	



Accessories see pages 50-51





460KB

Movable chain post as temporary barrier, of high stability. For outdoor or indoor installation. Post separates easily from the foot plate for moving to a new site. Simple installation and space-saving storage.

Chain post, heavy design

of \varnothing 60 mm steel tube with welded steel cap and eyelets for fixing the chain, height approx. 900 mm, hot-dip galvanized and white coated with three red reflecting stripes, foot plate of recycled material, 400 x 400 x 100 mm, black, removable

Kg	Part-No.	Euro
15.0 ^A	460KB	56.00



4040KB

Plastic chain post

lightweight chain post of plastic material for fast installation of barriers, including triangular plastic foot, side length 300 mm, filled with concrete, plastic tube \varnothing 40 mm, height: 900 mm, with 4 chain holders integrated in the cap

white / red

3.0 ^A	4040KB	24.30
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4041KB

Plastic chain post

with foot \varnothing 300 mm for filling by customer, plastic tube \varnothing 40 mm, height: 900 mm, with 4 chain holders integrated in the cap

white / red

2.0 ^A	4041KB	24.30
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Chain post set

version: 6 plastic posts \varnothing 40 mm. With 4 chain holders integrated in the cap, 10 m plastic chain, 10 links



For indoor and outdoor

with concrete-filled triangular plastic feet, side length 300 mm
white / red

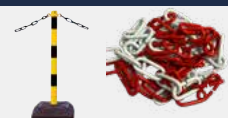
20.0 ^A	4040KBSET	161.00
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with feet \varnothing 300 mm for filling by customer, white / red

14.0 ^A	4041KBSET	161.00
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Also available in yellow/black; see work site protection page 181. Barrier chains see page 50-51



Barrier posts

Self-righting barrier post;
Resilient but extremely robust.
Protects persons and mitigates
damage to vehicles.



Car-park barriers



Height 1000 mm
Ø 80 mm, PUR,
4 reflecting stripes,
including 3 bolts and plugs



Height 750 mm
Ø 80 mm, PUR,
3 reflecting stripes,
including 3 bolts and plugs



Height 450 mm
Ø 80 mm, PUR,
2 reflecting stripes,
including 3 bolts and plugs



Height 300 mm
Ø 80 mm, PUR,
1 reflecting stripe,
including 3 bolts and plugs

Ornamental bollards

Stainless steel

Flexipost red
with white reflecting
stripes



Height in mm	1000	750	450	300
Kg	1.5 ^A	1.3 ^A	0.9 ^A	0.7 ^A
Part-No.	412211	412212	412214	412215
Euro	68.00	53.20	42.90	33.10

Flexipost white
with red reflecting
stripes



Height in mm	1000	750	450	300
Kg	1.5 ^A	1.3 ^A	0.9 ^A	0.7 ^A
Part-No.	412221	412222	412224	412225
Euro	74.50	59.60	49.10	39.90

Barrier elements

Flexipost black
with white reflecting
stripes



Height in mm	1000	750	450	300
Kg	1.5 ^A	1.3 ^A	0.9 ^A	0.7 ^A
Part-No.	412221BS	412222BS	412224BS	412225BS
Euro	68.00	53.20	42.90	33.10

Barrier gates

Outdoor equipment



Work site protection

Flexipost yellow

Ø 80 mm, PUR,
black stripes,
including 3 bolts and plugs

Height in mm

Kg

Part-No.

Euro



1000

1.5 ^A

412441BG

68.00



750

1.3 ^A

412442BG

53.20



450

0.9 ^A

412444BG

42.90



300

0.7 ^A

412445BG

33.10

Flexipost black

Ø 80 mm, PUR,
yellow reflecting stripes,
including 3 bolts and plugs

Height in mm

Kg

Part-No.

Euro



1000

1.5 ^A

412221BG

68.00



750

1.3 ^A

412222BG

53.20



450

0.9 ^A

412284BG

42.90



300

0.7 ^A

412282BG

33.10

Adapter with eyelet

for putting on flexiposts
for chains

Height in mm

Kg

Part-No.

Euro



white

0.1 ^A

41222KW

17.60



black

0.1 ^A

41222KS

17.60

Very robust, flexible bollards safe to nudge and run over, for businesses and municipalities. KICKBACK ©

Even if run over at high speed, hardly anything can be seen on the bollard or the vehicle. These bollards improve safe traffic. It saves businesses and municipalities money for costly repairs.

KICKBACK © bollard Ø 60 mm

Plastic post 900 mm above ground



With ground plate for plugging
white with red reflecting stripes
yellow with black stripes

With ground socket type for casting in concrete
white with red reflecting stripes
yellow with black stripes

With ground plate for plugging Quick Release
for quick removal of the **KICKBACK © bollards**
incl. locking bolt type 470.426
white with red reflecting stripes
yellow with black stripes

Kg	Part-No.	Euro
2.5 ^A	4260B	142.00
2.5 ^A	4260BG	142.00
4.5 ^A	4260HB	149.00
4.5 ^A	4260HBG	149.00
2.5 ^A	4261B	160.00
2.5 ^A	4261BG	160.00

If you want to take the post out or drive over it or no barrier is needed, use the quick release plate. The post then can be removed easily and quickly.



Latching pin
for quick release base plate

0.1 ^A	470.426	21.90
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Separate ground socket
of steel, hot-dip galvanized, length 400 mm

2.0 ^A	4S470.60MH	23.70
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Set of mounting bolts, galvanized

	Part-No.	Euro
Set of mounting bolts type 1 4 bolts M10 x 80 with plastic plugs for barrier posts with base plate 100 x 150 mm, crash guard angles, protective railings	470.71	6.10
Set of mounting bolts type 1.2 8 bolts M10 x 80 with plastic plugs for hoops with base plate 100 x 150 mm	470.712	11.90
Set of mounting bolts type 2 4 bolts with fixing anchor M16 x 150 for posts from Ø102 mm, barrier systems, height restriction barriers	470.72	23.20
Set of mounting bolts type 3 8 bolts with fixing anchor M16 x 150 for barrier systems, height restriction barriers	470.73	45.90



Set of mounting bolts VA

Set of mounting bolts type 1VA 3 bolts M10 x 100 VA with plastic plugs for stainless steel posts 4062P	470.76	16.50
Set of mounting bolts type 1.2VA 6 bolts M10 x 100 VA with plastic plugs for stainless steel hoops series 449	470.762	33.10
Set of mounting bolts type 2VA 3 bolts with fixing anchor M12x 110 VA for stainless steel posts from Ø76 mm	470.77	26.20
Screw head driver bit T40 for set of mounting bolts type 1	470.75	4.90



Extra charge for locking systems

Extra price (respectfully the article number)



	Part-No.	Euro
Profile cylinder simultaneously locking (without security card)	Art.-Nr. +ZGL	3.80
Profile cylinder with security card, different locking initial order (initial order)	Art.-Nr. +ZSI	44.90
Profile cylinder with security card, simultaneously locking (initial order)	Art.-Nr. +ZSIGL	48.90
Profile cylinder for master key system with security card different locking (initial order)	Art.-Nr. +ZHS	50.50
Profile cylinder for master key system with security card simultaneously locking (initial order)	Art.-Nr. +ZHSGl	54.60
Additional key for profile cylinder (without security card)	470.55	5.55
Additional key for profile cylinder (with security card)	470.55SI	18.60
Additional key for profile cylinder for master key system (with security card)	470.55SIHS	18.60
Master key	470.56HS	14.60

**Barrier chain of steel, welded**

wire thickness 5 mm

galvanized

galvanized and red / white coated

packing unit 10 m

Kg/m

Part-No.

Euro/m

0.5 ^A

430.50

4.20

0.5 ^A

430.50B

7.25



430.50B



430.66B

Barrier chain of steel, welded

wire thickness 6 mm

galvanized

galvanized and red / white coated

packing unit 10 m

galvanized and coated yellow / black

packing unit 10 m

0.6 ^A

430.66

Euro/m

4.55

0.6 ^A

430.66B

7.60

0.6 ^A

430.67B

7.60



430.10B

Barrier chain of steel, unwelded

wire thickness 7 mm

galvanized

galvanized and red / white coated

packing unit 10 m

galvanized and coated yellow / black

packing unit 10 m

galvanized and coated acc. to RAL color

packing unit 10 m

0.9 ^A

430.10

Euro/m

5.75

0.9 ^A

430.10B

9.35

0.9 ^A

430.20B

9.35

0.9 ^A

430.25B

10.90



430.60B

Square steel chain, unwelded

wire thickness 6 mm

galvanized and coated

Please specify RAL color

0.9 ^A

430.60B

Euro/m

15.80



430.11

S hook

galvanized

galvanized and red coated

galvanized and white coated

galvanized and yellow coated

galvanized and black coated

430.11

430.11BR

430.11BW

430.11BG

430.11BS

Euro

0.70

1.05

1.05

1.05

1.05



430.09

Connecting link

galvanized

galvanized and red coated

galvanized and white coated

galvanized and yellow coated

galvanized and black coated

430.09

430.09BR

430.09BW

430.09BG

430.09BS

Euro

0.55

1.05

1.05

1.05

1.05



430.12

Shackle

galvanized

galvanized and red coated

galvanized and white coated

galvanized and yellow coated

galvanized and black coated

430.12

430.12BR

430.12BW

430.12BG

430.12BS

Euro

2.60

3.50

3.50

3.50

3.50



430.13

Snap hook

galvanized

galvanized and red coated

galvanized and white coated

galvanized and yellow coated

galvanized and black coated

430.13

430.13BR

430.13BW

430.13BG

430.13BS

Euro

2.60

3.50

3.50

3.50

3.50



430.05



Plastic barrier chain

6 mm thick

red / white, packing unit 25 m
yellow / black, packing unit 25 m

Kg/Unit

Part-No.

Euro/m

2.0 ^A

430.05

1.25

2.0 ^A

430.06

1.35

Plastic connecting link made

6 mm thick

red
white
yellow
black

Euro

430.07R

0.95

430.07W

0.95

430.07G

0.95

430.07S

0.95



430.07R

Plastic hook link

6 mm thick

red
white
yellow
black

Euro

430.08R

1.05

430.08W

1.05

430.08G

1.05

430.08S

1.05



430.08W

Plastic barrier chain

8 mm thick

red / white, packing unit 25 m
yellow / black, packing unit 25 m

Kg/Unit

Part-No.

Euro/m

2.5 ^A

430.15

2.35

2.5 ^A

430.30

2.75



430.15

Plastic connecting link made

8 mm thick

red
white
yellow
black

Euro

430.16R

1.30

430.16W

1.30

430.16G

1.30

430.16S

1.30



430.16R

Plastic hook link

8 mm thick

red
white
yellow
black

Euro

430.17R

1.50

430.17W

1.50

430.17G

1.50

430.17S

1.50



430.17W

Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection

Ground socket for Ø 60 mm tubes

of round tube, hot-dip galvanized, 400 mm long, with ground anchor



- for barrier posts with bottom part Ø 60 mm without locking mechanism

Kg	Part-No.	Euro
2.1 ^A	460.10	10.00

- for removable barrier posts with bottom part Ø 60 mm with our type of locking mechanism

2.1 ^A	460.40	12.40
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- for series 460V barrier posts

2.1 ^A	460.60	13.20
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Cover for Ø 60 mm tubes

without locking mechanism, suitable for ground sockets part-no. 460.10, 460.40 and 460.60, hot-dip galvanized



0.4 ^A	460.20	7.45
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Cover for Ø 60 mm tubes

with spring-loaded locking mechanism, suitable for ground sockets part-no. 460.40, for opening by multipurpose wrench part-no. 470.40, hot-dip galvanized



0.7 ^A	460.21	15.90
------------------	--------	-------

Ground socket for Ø 76 mm tubes

of round tube, hot-dip galvanized, 400 mm long, with ground anchor



- for barrier posts with bottom part Ø 76 mm without locking mechanism

3.2 ^A	476.10	15.80
------------------	--------	-------

- for removable barrier posts with bottom part Ø 76 mm with our type of locking mechanism

3.2 ^A	476.40	19.40
------------------	--------	-------

Cover for Ø 76 mm tubes

without locking mechanism, suitable for ground sockets part-no. 476.10 and 476.40, hot-dip galvanized



0.6 ^A	476.20	9.85
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Cover for Ø 76 mm tubes

suitable for ground socket part-no. 476.40, with spring-loaded locking mechanism for opening by multipurpose wrench part-no. 470.40, hot-dip galvanized



0.9 ^A	476.21	17.40
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		Kg	Part-No.	Euro	
	<p>Ground socket of square tube 80 x 80 mm, hot-dip galvanized, with ground anchor</p> <p>for barrier post with bottom part 70 x 70 mm without locking mechanism, length 400 mm</p>	2.9 ^A	470.15	19.00	Barrier posts
	<p>Ground socket of square tube 80 x 80 mm, hot-dip galvanized, with ground anchor</p> <p>for removable barrier post with bottom part 70 x 70 mm with our type of locking mechanism, length 500 mm</p>	3.7 ^A	470.10	20.30	Car-park barriers
	<p>Cover for square tube 70 x 70 mm without locking mechanism, suitable for ground sockets, part-no. 470.10 and 470.15, hot-dip galvanized</p>	0.7 ^A	470.20	11.60	Ornamental bollards
	<p>Cover for square tube 70 x 70 mm suitable for ground socket part-no. 470.10, with spring-loaded locking mechanism for opening by multipurpose wrench part-no. 470.40, hot-dip galvanized</p>	0.8 ^A	470.21	18.70	Stainless steel
	<p>Ground socket with mounting plate 100 x 150 mm, hole pitch 70 x 122 mm, 400 mm long, with ground anchor, for fastening all foldable barrier posts of our type, including bolts, hot-dip galvanized</p>	2.3 ^A	470.60	18.30	Barrier elements
					Barrier gates
					Outdoor equipment
					Work site protection

Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection



Ground socket

of hot-dip galvanized steel tube, 400 mm long with two lateral bolt holes, suitable for

Ø 48 mm tubular post

Kg Part-No. Euro

1.6 ^A 443.44 17.00

Ø 60 mm tubular post

2.1 ^A 463.44 17.90

Ø 76 mm tubular post

2.6 ^A 473.44 22.60



Ground socket

of hot-dip galvanized steel tube with arresting mechanism, for Ø 60 mm tubular post

300 mm long

2.3 ^A 463.31 32.50

400 mm long

2.7 ^A 463.41 34.50

500 mm long

3.2 ^A 463.51 37.00



Ground socket

of hot-dip galvanized steel tube with arresting mechanism, for Ø 76 mm tubular post

300 mm long


3.1 ^A 473.31 37.40

500 mm long

4.6 ^A 473.51 42.10

Example of use



 **Steel tube sign posts**
 see catalogue
 „Construction equipment -
 Traffic safety“ page 53



Ground socket for Ø 48 mm tubular post
of grey-cast iron, with threaded and tightening ring

300 mm long

Kg	Part-No.	Euro
3.5 ^A	443.61	29.40



Steel wrench

hot-dip galvanized for Ø 48 mm

1.8 ^A	443.68	51.50
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Ground socket for Ø 60 mm tubular post
of grey-cast iron, with threaded and tightening ring

300 mm long
500 mm long

5.0 ^A	463.61	33.50
7.0 ^A	463.62	40.60



Ground socket for Ø 76 mm tubular post
of grey-cast iron, with threaded and tightening ring

300 mm long
500 mm long

7.0 ^A	473.61	47.00
9.5 ^A	473.62	55.40



Multipurpose wrench

of grey-cast iron, suitable for grey-cast iron
ground sockets Ø 60 mm and Ø 76 mm,
including square for blind plug

5.2 ^A	463.68	88.70
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Accessories:



	Kg	Ø 48 mm	Ø 60 mm	Ø 76 mm
Tightening ring	0.1 ^A	443.65	463.65	473.65
Euro		3.10	3.20	3.30
Threaded ring	0.8 ^A	443.66	463.66	473.66
Euro		11.60	12.70	14.30
Blank plug	0.8 ^A	443.67	463.67	473.67
Euro		12.40	13.60	14.30

Barrier posts



Grey-cast multipurpose wrench, galvanized

acc. to DIN 3223, for all barrier posts with triangular locking mechanism and for opening the covers

Kg	Part-No.	Euro
0.4 ^A	470.40	9.15

Car-park barriers



Triangular standard wrench, galvanized

acc. to DIN 3223, hand wrench for opening all barrier posts with triangular lock

0.2 ^A	470.50	5.85
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Ornamental bollards



Triangular socket wrench, galvanized

acc. to DIN 3223

0.2 ^A	470.30	7.35
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Stainless steel



Square socket wrench, 6 mm

for litter bin part-no. 4027

0.2 ^A	4037	4.20
------------------	------	------



Triangular socket wrench, 8 mm

for litter bin, galvanized

0.2 ^A	4038	4.95
------------------	------	------



Triangular wrench, 8 mm

handy wrench for opening the litter bins

0.1 ^A	4039	4.10
------------------	------	------

Barrier elements



Eyelets, galvanized

- one eyelet screw-fastened
- two eyelets screw-fastened
- one eyelet for screw fastening by M8 threaded pin (specify tube diameter)
- two eyelets for screw fastening by M8 threaded pin (specify tube diameter)

Part-No. +1	5.00
Part-No. +2	6.00
470.01	5.00
470.02	6.00

Barrier gates



Ground rosette for post

- ∅ 76 mm, for screw-fastening, galvanized and coated
- ∅ 82 mm, for screw-fastening, galvanized and coated

1.3 ^A	476RB	14.50
1.3 ^A	485RB	14.50

Outdoor equipment



- ∅ 76 mm, for screw-fastening, galvanized and coated
- ∅ 89 mm, for screw-fastening, galvanized and coated

1.3 ^A	478RB	15.20
1.3 ^A	4084RB	15.20

Work site protection

Car-park barriers

Car-park barriers
Holding device for parking signage
Park and guide barrier
Recycling bollards



Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

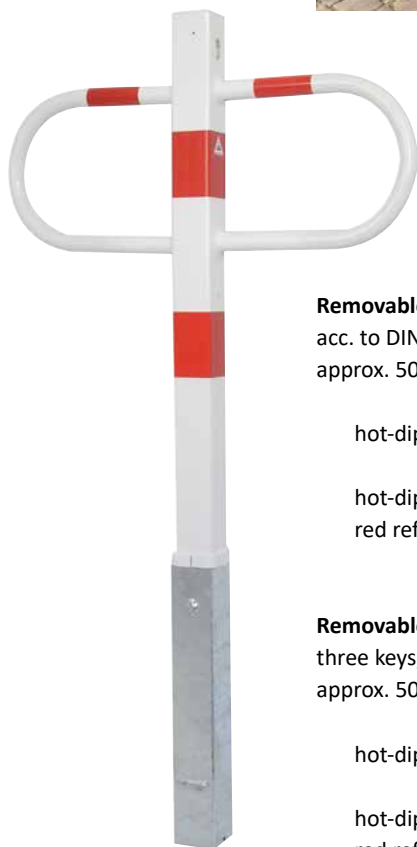
Barrier gates

Outdoor equipment

Work site protection

Passage and car-park barriers

square tube 70 x 70 mm
with lateral round tube hoops
total width: approx. 800 mm
above ground: 900 mm



471ZB



470.10

Removable, with triangular locking mechanism
acc. to DIN 3223, to ground socket part-no. 470.10,
approx. 500 mm below ground

hot-dip galvanized, with red reflecting stripes

Kg Part-No. Euro

14.5 B 471F 135.00

hot-dip galvanized and white coated with
red reflecting stripes

14.5 B 471FB 160.00

Removable, with Euro profile cylinder lock
three keys, with ground socket part-no. 470.10,
approx. 500 mm below ground

hot-dip galvanized, with red reflecting stripes

16.3 B 471Z 169.00

hot-dip galvanized and white coated with
red reflecting stripes

16.3 B 471ZB 194.00



Assembly instructions

Always pay attention to adequate drainage for removable posts (provide gravel fill).
Do not install in standing water.

Separate ground socket
for casting in concrete

3.7 A 470.10 20,30



It is recommended to install a second ground socket (away from blocked terrain).
The post locks itself without key operation, and can not be stolen.

Passage and car-park barriers

square tube 70 x 70 mm
with lateral round tube hoops
total width: approx. 800 mm
above ground: 900 mm



471UZ

Foldable, with triangular locking mechanism
acc. to DIN 3223, self-engaging lock

To be fixed by plugs

with base plate or for mounting to ground socket part-no. 470.60

hot-dip galvanized, with red reflecting stripes

Kg Part-No. Euro

10.6 ^B 471FU 146.00

hot-dip galvanized and white coated with red reflecting stripes

10.6 ^B 471FUB 171.00

Foldable, with Euro profile cylinder lock
three keys, self-engaging lock

To be fixed by plugs

with base plate or for mounting to ground socket part-no. 470.60

hot-dip galvanized, with red reflecting stripes

12.1 ^B 471UZ 161.00

hot-dip galvanized and white coated with red reflecting stripes

12.1 ^B 471UZB 186.00



470.60

Ground socket

for casting in concrete
(order together if you want to cast the barrier in concrete)

2.3 ^A 470.60 18.30



Car-park barriers prevent parking between lots and provide protection from theft and illegal parking.

Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection

Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection



Car-park barrier
square tube 70 x 70 mm
with lateral round tube hoops
total width: approx. 800 mm
above ground: 500 mm



4709FUB

Foldable, with triangular locking mechanism
acc. to DIN 3223, self-engaging lock

To be fixed by plugs
with base plate 100 x 150 mm or for
mounting to ground socket part-no. 470.60

hot-dip galvanized with red reflecting stripes

Kg Part-No. Euro

8.6 ^A 4709FU 141.00

hot-dip galvanized and white coated with
reflecting stripes

8.6 ^A 4709FUB 164.00



4709UZB

Foldable, with Euro profile cylinder lock
three keys, self-engaging lock

To be fixed by plugs
with base plate 100 x 150 mm
or for mounting to ground socket part-no. 470.60

hot-dip galvanized with red reflecting stripes

9.1 ^A 4709UZ 154.00

hot-dip galvanized and white coated with
reflecting stripes

9.1 ^A 4709UZB 177.00



470.60

Ground socket

for casting in concrete
(order together if you want to cast the barrier in concrete)

2.3 ^A 470.60 18.30



Barrier posts

Car-park barriers

Ornamental bollards

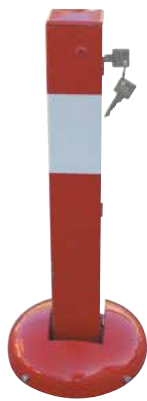
Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection



40215UZH

Crash-proof barrier post

flexible to impact and thrust
square tube 70 x 70 mm
above ground: 500 mm
pass-over height: approx. 95 mm

Foldable, with Euro profile cylinder lock

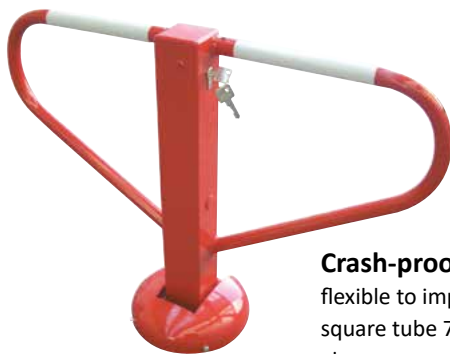
three keys, self-engaging lock

To be fixed by plugs

with base plate Ø 200 mm or for
mounting to ground socket part-no. 470.60

hot-dip galvanized and red coated with white
reflecting stripes

Kg	Part-No.	Euro
8.0 ^A	40215UZH	190.00



40220UZH

Crash-proof car-park barrier

flexible to impact and thrust
square tube 70 x 70 mm
above ground: 500 mm
pass-over height: approx. 95 mm
with lateral round tube hoops
total width: approx. 800 mm

Foldable, with Euro profile cylinder lock

three keys, self-engaging lock

To be fixed by plugs

with base plate Ø 200 mm or for
mounting to ground socket part-no. 470.60

hot-dip galvanized and red coated with white
reflecting stripes



10.8 ^A	40220UZH	212.00
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470.60

Ground socket

for casting in concrete
(order together if you want to cast the barrier in concrete)

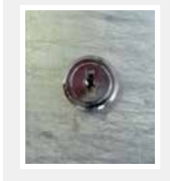
2.3 ^A	470.60	18.30
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Car-park barrier, foldable

square tube 70 x 70 mm
with lateral round tube hoops
total width: approx. 800 mm
above ground: 500 mm
self-engaging lock



Round cylinder



Foldable, with round cylinder
three keys

40770

To be fixed by plugs
with base plate 100 x 150 mm



hot-dip galvanized with red reflecting stripes

hot-dip galvanized and white coated with red reflecting stripes

Kg Part-No. Euro

7.5 ^A 40770 120.00

7.5 ^A 40770B 136.00



For casting in concrete
with welded ground anchor
approx. 300 mm below ground

40771B

hot-dip galvanized with red reflecting stripes

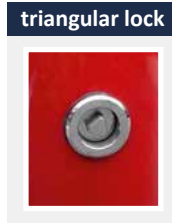
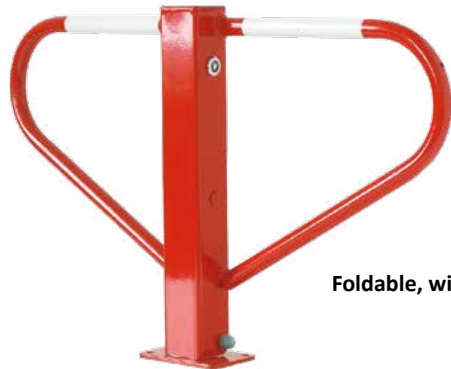
hot-dip galvanized and white coated with red reflecting stripes

8.8 ^A 40771 129.00

8.8 ^A 40771B 145.00

Car-park barrier, foldable

square tube 70 x 70 mm
with lateral round tube hoops
total width: approx. 800 mm
above ground: 500 mm
self-engaging lock



Foldable, with 8 mm triangular lock

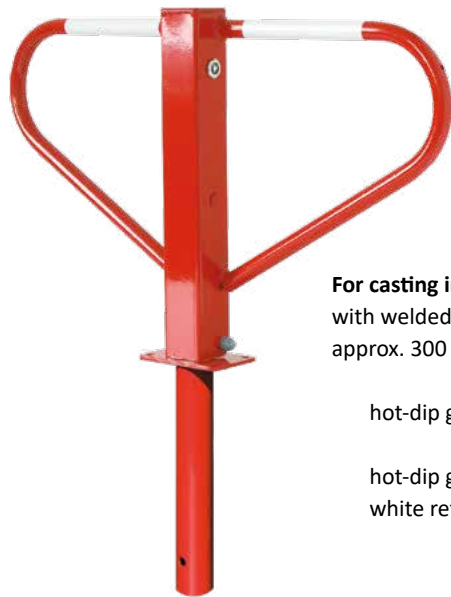
40772B

To be fixed by plugs
with base plate 100 x 150 mm

hot-dip galvanized with red reflecting stripes

hot-dip galvanized and red coated with
white reflecting stripes

	Kg	Part-No.	Euro
hot-dip galvanized with red reflecting stripes	7.5 ^A	40772	120.00
hot-dip galvanized and red coated with white reflecting stripes	7.5 ^A	40772B	136.00



40773B

For casting in concrete
with welded ground anchor
approx. 300 mm below ground

hot-dip galvanized with red reflecting stripes

hot-dip galvanized and red coated with
white reflecting stripes

hot-dip galvanized with red reflecting stripes	8.8 ^A	40773	129.00
hot-dip galvanized and red coated with white reflecting stripes	8.8 ^A	40773B	145.00



4039

Handy triangular wrench 8 mm
for barrier post, car-park barriers, galvanized

Handy triangular wrench 8 mm	0.1 ^A	4039	4.10
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Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection



Car-park barrier, foldable

round tube Ø 60 mm
with lateral round tube hoops
and a one-piece base plate
total width: approx. 800 mm
total height: approx. 500 mm



40660

Foldable, with Euro profile cylinder lock
three keys, self-engaging lock

hot-dip galvanized with red reflecting stripes
including fastening material

Kg	Part-No.	Euro
8.3 ^A	40660	149.00



Car-park barriers prevent parking between lots and provide protection from theft and illegal parking



Car-park barrier

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



472V

Foldable, with padlock
 three keys

hot-dip galvanized with red reflecting stripes
 including fastening material



472Z

Foldable, with Euro profile cylinder lock
 three keys, self-engaging lock,
 locking and unlocking outside the dirt zone

hot-dip galvanized with red reflecting stripes,
 including fastening material



472A

1 set (3 pieces) anchors for casting in concrete



472ZP

Foldable, with Euro profile cylinder lock
 three keys and continuous base plate,
 self-engaging lock, locking and unlocking
 outside the dirt zone

hot-dip galvanized with red reflecting stripes
 including fastening material

Kg Part-No. Euro

5.5 ^A 472V 103.00

5.6 ^A 472Z 128.00

0.1 ^A 472A 8.85

7.8 ^A 472ZP 133.00

Holding device for parking signage 2 support posts

steel tube 40 mm x 40 mm x 2.0 mm, galvanized, with screwed parking signage (inclusive)

height above: ground 350 mm
total width: approx. 520 mmm



	Kg	Part-No.	Euro
For casting in concrete Total height 500 mm	3.1 ^A	4045	40.50
To be fixed by plugs Total height 350 mm	4.0 ^A	4045P	46.90

Round hoops for parking sign

stainless steel Ø 48.3 mm x 2.5 mm with welded license plate holder
height above ground: 800 mm
total width: approx. 650 mm

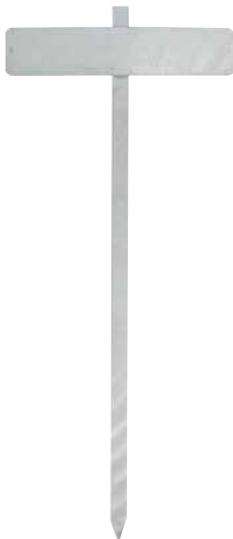


	kg	Part-No.	Euro
For casting in concrete	10.9 ^B	449.66SE	277.00
To be fixed by plugs	9.9 ^B	449.66PSE	326.00

Park and guide barrier
made of recycled material
 with reflectors
 1170 mm x 150 mm x 50 mm
 with 3 bolts and plugs



4043



4044

Drive-in rod

of 40 mm T-section, with drive-in tip
 total length: 1200 mm

hot-dip galvanized

	Kg	Part-No.	Euro
white	2.3 ^A	412202SW	40.10
yellow	2.3 ^A	412202SO	40.10

Drive-in rod

of 40 mm T-section, with drive-in tip
 total length: 1200 mm
 for sign posting car parks with
 sign board 110 x 520 mm

hot-dip galvanized

	4.0 ^B	4044	41.60
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Barrier posts

Bollards made of recycled plastic material for digging in or casting in concrete



Car-park barriers

Recycling-material post
Square post 140 x 140 mm
 total length: 1400 mm

Ornamental bollards



bollards without milled groove and reflectors
 color: black

Kg	Part-No.	Euro
17.0 ^A	4014140	53.70

bollards with 2 milled grooves 15 mm wide and 2 reflecting bands, red on top, white at bottom

17.0 ^A	4014141	81.20
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Stainless steel

Recycling-material post
Hemispherical head Ø 150 mm
 (hollow section)
 total length: 1500 mm

Barrier elements



bollard without milled grooves and reflecting bands
 color: brown

Kg	Part-No.	Euro
14.0 ^B	4014150	64.50

bollards with 2 milled grooves 15 mm wide and 2 reflecting bands, red on top, white at bottom

14.0 ^B	4014151	91.10
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Barrier gates

Outdoor equipment



Work site protection

Ornamental bollards

Ornamental bollards made of steel tube \varnothing 60 - 193 mm
Aluminium bollards
Ornamental bollards of square tube



Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection

Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection



Ø 60 mm
Series 465
Page 72



Ø 60 mm
Series 466
Page 72



Ø 76 mm
Series 475
Page 74



Ø 82 mm
Series 484
Page 78



Ø 82 mm
Series 485
Page 78



Ø 89 mm
Series 488
Page 79

Ø 76 mm
Series 474
Page 74

Ø 76 mm
Series 478
Page 75

Ø 102 mm
Series 492
Page 81



Ø 60 mm
Series 468
Page 73



Ø 60 mm / Ø 82 mm
Ø 102 mm
Series 464 / 482 / 4092
Page 73 / 78 / 81



Ø 82 mm
Series 480
Page 77



Ø 82 mm
Series 481
Page 77



Ø 76 mm
Series 477
Page 76



Ø 76 mm
Series 4074
Page 76

Ø 89 mm
Series 487
Page 80

Ø 152 mm / Ø 193 mm
Series 40155 / 40195
Page 84

Ø 102 mm
Series 496
Page 81

Ø 89 mm
Series 4084
Page 79

Ø 102 mm
Series 494
Page 80

Ø 100 mm
Series 40101
Page 85

Ø 102 mm
Series 4091
Page 80

Ø 120 mm
Series 40120 / 40121
Page 85

Ø 152 mm / Ø 193 mm
Series 40156 / 40196
Page 84



Ø 60 / 110 mm
Series 490
Page 87



Ø 72 / 160 mm
Series 495
Page 86 / 87



Ø 76 / 100 mm
Series 479
Page 75



Ø 76 / 102 mm
Series 40102
Page 82



Ø 96 / 168 mm
Series 40168
Page 82



Ø 108 mm
Series 497
Page 83



Ø 140 mm
Series 40140
Page 83



70 x 70 mm
Series 473
Page 90



70 x 70 mm
Series 4073
Page 88



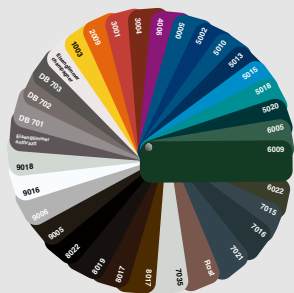
70 x 70 mm
Series 40731
Page 88



70 x 70 mm
Series 4071
Page 89

80 x 80 mm
Series 4081
Page 89

100 x 100 mm
Series 4075
Page 89



Color finishes of our barrier products
Other RAL colors and special paint finished on request; see page 7



Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection



Ornamental bollard
of steel tube Ø 60 mm
approx. 950 mm above ground,
hot-dip galvanized and coated

Color:		Kg	Part-No.	Euro	Part-No.	Euro
Series 465B: RAL 7016	Stationary, for casting in concrete with ground anchor, total length: approx. 1300 mm	5.0 ^A	465B	60.20	466B	65,40
Series 466B: RAL 7016	Stationary, to be fixed by plugs with base plate 100 x 150 mm	4.0 ^A	465PB	68.60	466PB	75,20
	Removable, self-engaging lock, incl. ground rosette, with hot-dip galvanized ground socket part-no. 460.40, approx. 400 mm below ground					
	with triangular locking mechanism, acc. to DIN 3223	7.0 ^A	465FB	118.00	466FB	125,00
	with profile cylinder lock, three keys incl.	8.0 ^A	465ZB	169.00		
	Foldable to be fixed by plugs, self-engaging lock, with base plate 100 x 150 mm					
	with triangular locking mechanism, acc. to DIN 3223	6.0 ^A	465FUB	152.00	466FUB	159,00
	with profile cylinder lock, three keys incl.	7.0 ^A	465UZB	182.00		
	Foldable for casting in concrete, self-engaging lock, with hot-dip galvanized ground socket part-no. 470.60, approx. 400 mm below ground					
	with triangular locking mechanism, acc. to DIN 3223	8.0 ^A	465FUHB	170.30	466FUHB	177,30
	with profile cylinder lock, three keys incl.	9.0 ^A	465UZHB	200.30		



Ornamental bollard of steel tube Ø 60 mm

approx. 950 mm above
ground, hot-dip galvanized
and coated

Color:
Series 464B: DB 703

Series 468B: RAL 7016

Stationary,

for casting in concrete
with ground anchor,
total length: approx. 1300 mm

Kg	Part-No.	Euro	Part-No.	Euro
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5.0	464B	60.50	468B	61.70
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Stationary, to be fixed by plugs

with base plate 100 x 150 mm

4.0	464PB	68.50	468PB	70.20
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Removable,

self-engaging lock, incl. ground rosette,
with hot-dip galvanized ground socket
part-no. 460.40, approx. 400 mm below ground

with triangular locking mechanism,
acc. to DIN 3223

7.0	464FB	118.00	468FB	119.00
-----	-------	--------	-------	--------

with profile cylinder lock, three keys incl.

8.0	464ZB	169.00		
-----	-------	--------	--	--

Foldable to be fixed by plugs,

self-engaging lock,
with base plate 100 x 150 mm

with triangular locking mechanism,
acc. to DIN 3223

6.0	464FUB	152.00	468FUB	153.00
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with profile cylinder lock, three keys incl.

7.0	464UZB	181.00		
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Foldable for casting in concrete,

self-engaging lock,
with hot-dip galvanized ground socket
part-no. 470.60, approx. 400 mm below ground

with triangular locking mechanism,
acc. to DIN 3223

8.0	464FUHB	170.30	468FUHB	171.30
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with profile cylinder lock, three keys incl.

9.0	464UZHB	199.30		
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Other color finishes possible; see page 7



**Ornamental bollard**

of steel tube Ø 76 mm

approx. 950 mm above ground,
hot-dip galvanized and coated

Color:

Series 474: RAL 7016

Series 475: RAL 7016

Stationary,for casting in concrete
with ground anchor,
total length: approx. 1300 mm**Stationary, to be fixed by plugs**

with base plate 100 x 150 mm

Removable,self-engaging lock, incl. ground rosette,
with hot-dip galvanized ground socket
part-no. 476.40, approx. 400 mm below ground**with triangular locking mechanism,**

acc. to DIN 3223

with profile cylinder lock, three keys incl.**Foldable to be fixed by plugs,**self-engaging lock,
with base plate 100 x 150 mm**with triangular locking mechanism,**

acc. to DIN 3223

with profile cylinder lock, three keys incl.**Foldable for casting in concrete,**self-engaging lock,
with hot-dip galvanized ground socket
part-no. 470.60, approx. 400 mm below ground**with triangular locking mechanism,**

acc. to DIN 3223

with profile cylinder lock, three keys incl.

Kg	Part-No.	Euro	Part-No.	Euro
6.5 A	474B	84.00	475B	85,40
5.5 A	474PB	92.30	475PB	93,20
11.5 A	474FB	161.00	475FB	162,00
11.5 A	474ZB	217.00		
7.0 A	474FUB	195.00	475FUB	196,00
9.0 A	474UZB	212.00		
9.5 A	474FUHB	213.30	475FUHB	214,30
11.5 A	474UZHB	230.30		



Ornamental bollard

of steel tube Ø 76 mm

approx. 950 mm above ground,
hot-dip galvanized and coated

Color:

Series 478: RAL 7016

Series 479: RAL 7016

Stationary,

for casting in concrete
with ground anchor,
total length: approx. 1300 mm

Stationary, to be fixed by plugs

with base plate 100 x 150 mm

Removable,

self-engaging lock, incl. ground rosette,
with hot-dip galvanized ground socket
part-no. 476.40, approx. 400 mm below ground

with triangular locking mechanism,

acc. to DIN 3223

Foldable to be fixed by plugs,

self-engaging lock,
with base plate 100 x 150 mm

with triangular locking mechanism,

acc. to DIN 3223

Foldable for casting in concrete,

self-engaging lock,
with hot-dip galvanized ground socket
part-no. 470.60, approx. 400 mm below ground

with triangular locking mechanism,

Kg	Part-No.	Euro	Part-No.	Euro
7.5 A	478B	104.00	479B	106,00
6.5 A	478PB	115.00	479PB	117,00
12.0 A	478FB	194.00	479FB	195,00
8.0 A	478FUB	218.00	479FUB	219,00
10.5 A	478FUHB	236.30	479FUHB	237,30

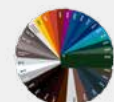


Available as border railing,
see page 130



Barrier posts also available with eyelets - add the following to the part-no.: +1 for one or +2 for 2 eyelets, accessories see page 56

Other color finishes possible;
see page 7





Rusty optic !

Ornamental bollard

of steel tube Ø 76 mm
approx. 950 mm above ground,
hot-dip galvanized and coated

Color:

Series 477: RAL 7016

Series 4074: DB 703

Stationary,

for casting in concrete
with ground anchor, total length
approx. 1300 mm

Stationary, to be fixed by plugs

with base plate 100 x 150 mm

Removable,

self-engaging lock, incl. ground rosette,
with hot-dip galvanized ground socket
part-no. 476.40, approx. 400 mm below ground

with triangular locking mechanism,

acc. to DIN 3223

with profile cylinder lock, three keys incl.

Foldable to be fixed by plugs,

self-engaging lock,
with base plate 100 x 150 mm

with triangular locking mechanism,

acc. to DIN 3223

with profile cylinder lock, three keys incl.

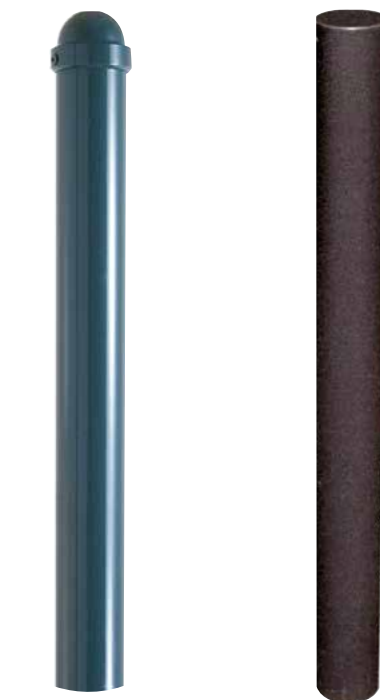
Foldable for casting in concrete,

self-engaging lock,
with hot-dip galvanized ground socket
part-no. 470.60, approx. 400 mm below ground

with triangular locking mechanism,

acc. to DIN 3223

with profile cylinder lock, three keys incl.



Kg	Part-No.	Euro	Part-No.	Euro
6.5 ^A	477B	83.60	4074B	73.80
5.5 ^A	477PB	91.90	4074PB	84.40
11.5 ^A	477FB	161.00	4074FB	140.00
11.5 ^A	477ZB	217.00		
7.0 ^A	477FUB	195.00		
9.0 ^A	477UZB	212.00		
9.5 ^A	477FUHB	213.30		
11.5 ^A	477UZHB	205.30		



Ornamental bollard

of steel tube Ø 82 mm

approx. 800 mm above ground,
hot-dip galvanized and coated

Color:

Series 480: RAL 7016

Series 481: RAL 7016

Stationary,

for casting in concrete
with ground anchor,
total length: approx. 1300 mm

Stationary, to be fixed by plugs
with base plate 100 x 150 mm

Removable,

self-engaging lock, incl. ground rosette,
with hot-dip galvanized ground socket
part-no. 470.10, approx. 500 mm below ground

with triangular locking mechanism,
acc. to DIN 3223

with profile cylinder lock, three keys incl.

Foldable to be fixed by plugs,

self-engaging lock,
with base plate 100 x 150 mm

with triangular locking mechanism,
acc. to DIN 3223

with profile cylinder lock, three keys incl.

Foldable for casting in concrete,

self-engaging lock,
with hot-dip galvanized ground socket
part-no. 470.60, approx. 400 mm below ground

with triangular locking mechanism,
acc. to DIN 3223

with profile cylinder lock, three keys incl.



	Kg	Part-No.	Euro	Part-No.	Euro
Stationary, for casting in concrete with ground anchor, total length: approx. 1300 mm	9.5 A	480B	77.30	481B	89.60
Stationary, to be fixed by plugs with base plate 100 x 150 mm	8.5 A	480PB	87.50	481PB	95.60
Removable, self-engaging lock, incl. ground rosette, with hot-dip galvanized ground socket part-no. 470.10, approx. 500 mm below ground					
with triangular locking mechanism, acc. to DIN 3223	12.5 A	480FB	161.00	481FB	172.00
with profile cylinder lock, three keys incl.	13.0 A	480ZB	215.00		
Foldable to be fixed by plugs, self-engaging lock, with base plate 100 x 150 mm					
with triangular locking mechanism, acc. to DIN 3223	9.0 A	480FUB	182.00	481FUB	197.00
with profile cylinder lock, three keys incl.	10.0 A	480UZB	208.00		
Foldable for casting in concrete, self-engaging lock, with hot-dip galvanized ground socket part-no. 470.60, approx. 400 mm below ground					
with triangular locking mechanism, acc. to DIN 3223	11.0 A	480FUHB	200.30	481FUHB	215.30
with profile cylinder lock, three keys incl.	12.5 A	480UZHB	226.30		



Barrier posts also available with eyelets - add the following to the part-no.: +1 for one eyelet or +2 for 2 eyelets;
accessories see page 56



Other color finishes possible;
see page 7

Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection



Ornamental bollard
of round steel tube Ø 82 mm
approx. 900 mm above ground,
hot-dip galvanized and coated

Color:
Series 482: DB 703
Series 484: RAL 9005 (jet black)
Series 485: RAL 9005 (jet black)



482B



484B



485B

	Kg	Part-No.	Euro	Part-No.	Euro	Part-No.	Euro
Stationary, for casting in concrete with ground anchor, total length: approx. 1300 mm	9.5 A	482B	93.60	484B	93.70	485B	93.80
to be fixed by plugs with base plate 100 x 150 mm	8.5 A	482PB	101.00	484PB	101.00	485PB	101.00
Removable, self-engaging lock, incl. ground rosette, with hot-dip galvanized ground socket part-no. 470.10, approx. 500 mm below ground							
with triangular locking mechanism, acc. to DIN 3223	13.0 A	482FB	180.00	484FB	180.00	485FB	180.00
with profile cylinder lock, three keys incl.	13.0 A	482ZB	237.00	484ZB	237.00	485ZB	237.00
Foldable to be fixed by plugs, self-engaging lock, with base plate 100 x 150 mm							
with triangular locking mechanism, acc. to DIN 3223	9.0 A	482FUB	206.00	484FUB	204.00	485FUB	204.00
with profile cylinder lock, three keys incl.	10.0 A	482UZB	232.00	484UZB	232.00	485UZB	232.00
Foldable for casting in concrete, self-engaging lock, with hot-dip galvanized ground socket part-no. 470.60, approx. 400 mm below ground							
with triangular locking mechanism, acc. to DIN 3223	11.0 A	482FUHB	224.30	484FUHB	222.30	485FUHB	222.30
with profile cylinder lock, three keys incl.	12.5 A	482UZHB	250.30	484UZHB	250.30	485UZHB	250.30

Ornamental bollard
of round steel tube \varnothing 89 mm
approx. 950 mm above ground,
hot-dip galvanized and coated



487B



488B



4084B

With hemisphere head

color: RAL 7016

Stationary, for casting in concrete

with ground anchor,
total length: approx. 1300 mm

Kg

Part-No.

Euro

8.2 ^A

487B

99.10

Removable, with triangular locking mechanism

acc. to DIN 3223, self-engaging lock,
with hot-dip galvanized ground socket
part-no. 470.10

11.9 ^A

487FB

190.00

With globe head

color: RAL 7016

Stationary, for casting in concrete

with ground anchor,
total length: approx. 1300 mm

8.0 ^A

488B

104.00

Removable, with triangular locking mechanism

acc. to DIN 3223, self-engaging lock,
with hot-dip galvanized ground socket
part-no. 470.10

11.6 ^A

488FB

196.00

With flat head

color: DB 703

Stationary, for casting in concrete

with ground anchor,
total length: approx. 1300 mm

8.6 ^A

4084B

98.30

Removable, with triangular locking mechanism

acc. to DIN 3223, self-engaging lock,
with hot-dip galvanized ground socket
part-no. 470.10

12.5 ^A

4084FB

206.00

Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection

Ornamental bollard of steel tube Ø 102 mm
approx. 950 mm above ground,
hot-dip galvanized and coated



494B



492B



4091B

With hemisphere head

color: RAL 7016

Stationary, for casting in concrete

with ground anchor, total length approx. 1300 mm

Kg

Part-No.

Euro

9.5 ^A

494B

114.00

Removable, with triangular locking mechanism

acc. to DIN 3223, self-engaging lock,
with hot-dip galvanized ground socket
part-no. 470.10

13.8 ^A

494FB

216.00

With globe head

color: RAL 7016

Stationary, for casting in concrete

with ground anchor, total length approx. 1300 mm

9.5 ^A

492B

120.00

Removable, with triangular locking mechanism

acc. to DIN 3223, self-engaging lock,
with hot-dip galvanized ground socket
part-no. 470.10

13.8 ^A

492FB

223.00

With flat head

color: DB 703

Stationary, for casting in concrete

with ground anchor, total length: approx. 1300 mm

9.5 ^A

4091B

98.80

Removable, with triangular locking mechanism

acc. to DIN 3223, self-engaging lock,
with hot-dip galvanized ground socket
part-no. 470.10

13.8 ^A

4091FB

191.00

Ornamental bollard

of steel tube Ø 102 mm

approx. 950 mm above ground,
hot-dip galvanized and coated



4092B



496B

With aluminium head and decorative ring

color: RAL 7016

Stationary, for casting in concrete

with ground anchor, total length: approx. 1300 mm

Kg

Part-No.

Euro

9.5 ^A

4092B

116.00

Removable,

self-engaging lock, incl. ground rosette,

with hot-dip galvanized ground socket

part-no. 470.10, approx. 500 mm below ground

with triangular locking mechanism,

acc. to DIN 3223

13.8 ^A

4092FB

216.00

with profile cylinder lock, three keys incl.

12.8 ^A

4092ZB

277.00

With hemispherical head

color: RAL 7016

Stationary, for casting in concrete

with ground anchor, total length: approx. 1300 mm

9.5 ^A

496B

116.00

Removable, with triangular locking mechanism

incl. ground rosette, self-engaging lock,

with hot-dip galvanized ground socket

part-no. 470.10, approx. 500 mm below ground

with triangular locking mechanism,

acc. to DIN 3223

13.8 ^A

496FB

217.00

with profile cylinder lock, three keys incl.

12.8 ^A

496ZB

276.00



Barrier posts also available with eyelets - add the following to the part-no.: +1 for one or +2 for 2 eyelets, accessories see page 56



Other color finishes possible;
see page 7



Posts can be delivered simultaneously locking or in a locking system; see page 49

Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection

Ornamental bollard of steel tube
conical Ø 102 / 76 mm,
with ornamental cap, approx.
900 mm above ground,
hot-dip galvanized and
coated anthracite grey
(RAL 7016)



The beauty of this bollards is simple classic shape, which is attractive both in historical city centers and in modern environments

	Kg	Part-No.	Euro
Stationary, for casting in concrete with ground anchor, total length: approx. 1300 mm	8.0 ^A	40102B	165.00
Stationary, to be fixed by plugs with base plate Ø 180 mm	7.5 ^A	40102PB	188.00
Removable, with triangular locking mechanism acc. to DIN 3223, self-engaging lock, with hot-dip galvanized ground socket part-no. 470.10, approx. 500 mm below ground	13.0 ^A	40102FB	246.00

40102B

Ornamental bollard of steel tube
conical Ø168 / 96 mm
with ornamental cap, approx.
750 mm above ground,
hot-dip galvanized and coated
(RAL 8019)



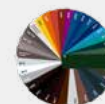
	Kg	Part-No.	Euro
Stationary, for casting in concrete with ground anchor, total length: approx. 1050 mm	11.0 ^A	40168B	176.00
Stationary, to be fixed by plugs with base plate 220 x 220 mm	10.0 ^A	40168PB	218.00
Removable, with triangular locking mechanism acc. to DIN 3223, self-engaging lock, with hot-dip galvanized ground socket part-no. 470.10, approx. 500 mm below ground	14.8 ^A	40168FB	353.00

82 40168B



Barrier posts also available with eyelets - add the following to the part-no.: +1 for one or +2 for 2 eyelets, accessories see page 56

Other color finishes possible;
see page 7



Ornamental bollard
 steel tube \varnothing 108 mm,
 with ornamental rings hot-dip
 galvanized and coated (RAL 7016)



497B



	Height above ground: 750 mm Overall height: 1100 mm			Height above ground: 950 mm Overall height: 1300 mm		
	Kg	Part-No.	Euro	Kg	Part-No.	Euro
Stationary, for casting in concrete with ground anchor	11.0 A	4971B	154.00	12.0 A	497B	158.00
Stationary, to be fixed by plugs with base plate \varnothing 180 mm	9.0 A	4971PB	176.00	10.0 A	497PB	178.00
Removable, with triangular locking mechanism acc. to DIN 3223, self-engaging lock, with hot-dip galvanized ground socket part-no. 470.10, approx. 500 mm below ground	16.0 A	4971FB	250.00	17.0 A	497FB	260.00

Ornamental bollard of steel tube
 \varnothing 140 mm, with aluminium globe and chain eyelets
 approx. 950 mm above ground, hot-dip
 galvanized and coated DB703



40140B/2

	Kg	Part-No.	Euro
Stationary, for casting in concrete with ground anchor total length: 1400 mm	15.0 A	40140B/2	258.00
Removable, with triangular locking mechanism acc. to DIN 3223, self-engaging lock, with hot-dip galvanized ground socket	23.0 A	40140FB/2	369.00

Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection



Ornamental bollard of steel tube \varnothing 152 mm

with flat head,
approx. 950 mm above ground,
hot-dip galvanized and coated DB 703



40155B

40156B

Stationary, for casting in concrete

Kg	with aluminium head and decorative ring		with flat head	
	Part-No.	Euro	Part-No.	Euro
14.5 A	40155B	315.00	40156B	290.00

Removable,
self-engaging lock, incl. ground rosette,
with hot-dip galvanized ground socket
part-no. 470.10, approx. 500 mm below ground

21.5 A	40155FB	412.00	40156FB	366.00
21.0 A	40155ZB	469.00		

with triangular locking mechanism,
acc. to DIN 3223

with profile cylinder lock, three keys incl.

Ornamental bollard of steel tube \varnothing 193 mm

approx. 950 mm above ground,
hot-dip galvanized and coated DB 703



40195B

40196B

Stationary, for casting in concrete
with ground anchor

Kg	Part-No.	Euro	Part-No.	Euro
24.0 A	40195B	433.00	40196B	379.00

Removable,
self-engaging lock, incl. ground rosette,
with hot-dip galvanized ground socket
part-no. 470.10, approx. 500 mm below ground

30.5 A	40195FB	520.00	40196FB	473.00
29.0 A	40195ZB	580.00		

with triangular locking mechanism,
acc. to DIN 3223

with profile cylinder lock, three keys incl.

Bollard of thick-walled aluminium Ø 100 mm

8 mm wall thickness, with decorative groove, approx. 950 mm above ground, bottom part of hot-dip galvanized steel tube, coated RAL 7016



40101B

	Kg	Part-No.	Euro
Stationary, for casting in concrete with ground anchor	9.0 ^A	40101B	190.00
Stationary, to be fixed by plugs with base plate Ø 180 mm	8.0 ^A	40101PB	205.00
Removable, with triangular locking mechanism acc. to DIN 3223, self-engaging lock, with hot-dip galvanized ground socket part-no. 470.10, approx. 500 mm below ground	13.0 ^A	40101FB	281.00

Bollard of thick-walled aluminium Ø 120 mm

8 mm wall thickness, with decorative groove, anthracite grey RAL 7016 coated, bottom part of hot-dip galvanized steel tube



40121FB

	Height above ground: 750 mm Overall height: 1050 mm			Height above ground: 900 mm Overall height: 1200 mm		
	Kg	Part-No.	Euro	Kg	Part-No.	Euro
Stationary, for casting in concrete with ground anchor	9.0 ^A	40120B	205.00	10.5 ^A	40121B	216.00
Stationary, to be fixed by plugs with base plate Ø 180 mm	8.0 ^A	40120PB	227.00	9.5 ^A	40121PB	239.00
Removable, with triangular locking mechanism acc. to DIN 3223, self-engaging lock, with hot-dip galvanized ground socket part-no. 470.10, approx. 500 mm below ground	14.5 ^A	40120FB	313.00	16.0 ^A	40121FB	332.00



Other color finishes possible; see page 7



Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection



Aluminium ornamental bollard

coated anthracite grey (metallic-grey), approx. 900 mm above ground, cast aluminium with steel rod core



495FB

Stationary, for casting in concrete **Kg** **Part-No.** **Euro**
with ground anchor, total length: approx. 1300 mm

without eyelet	9.5 <small>A</small>	495B	182.00
with 1 eyelet	9.5 <small>A</small>	495B+1	187.00
with 2 eyelets	9.5 <small>A</small>	495B+2	188.00

Removable, with triangular locking mechanism
acc. to DIN 3223, self-engaging lock,
with hot-dip galvanized ground socket part-no. 470.10,
approx. 500 mm below ground

without eyelet	12.0 <small>A</small>	495FB	264.00
with 1 eyelet	12.0 <small>A</small>	495FB+1	269.00
with 2 eyelets	12.0 <small>A</small>	495FB+2	270.00

Aluminium miniature bollards

coated anthracite grey (metallic grey),
approx. 460 mm above ground, cast
aluminium with steel rod core



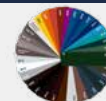
495MB

Stationary, for casting in concrete **Kg** **Part-No.** **Euro**
with ground anchor, total length: approx. 800 mm

without eyelet	3.5 <small>A</small>	495MB	122,00
with 2 eyelets	3.5 <small>A</small>	495MB+2	128,00



Other color finishes possible; see page 7



Aluminium ornamental post

cast aluminium with steel rod core,
approx. 900 mm above ground,
coated matt black



490FB

Stationary, for casting in concrete

with ground anchor, total length: approx. 1300 mm

- without eyelet
- with 1 eyelet
- with 2 eyelets

Kg	Part-No.	Euro
6.5 A	490B	160.00
6.5 A	490B+1	165.00
6.5 A	490B+2	166.00

Removable, with triangular locking mechanism

acc. to DIN 3223, self-engaging lock,
with hot-dip galvanized ground socket part-no. 460.40,
approx. 400 mm below ground

- without eyelet
- with 1 eyelet
- with 2 eyelets

9.5 A	490FB	241.00
9.5 A	490FB+1	246.00
9.5 A	490FB+2	247.00

Ornamental protective railing

assembled from prefabricated parts
on site. The hinge joints make these
railings very flexible to set up. The
hinge joints can be set up vertically or
horizontally up to 90°.

Powder-coated in common RAL colors,
see page color finishes.



495.11B



495.12B

Aluminium ornamental bollard

coated anthracite grey (metallic grey),
approx. 900 mm above ground,
cast aluminium with steel rod core

- end post for top bar
- middle post for top bar
- corner post for top bar 90°

10.0 A	495.01B	208.00
10.0 A	495.02B	222.00
10.0 A	495.03B	222.00

- end post for top and knee bar
- middle post for top and knee bar
- corner post for top and knee bar 90°

12.5 A	495.11B	223.00
12.5 A	495.12B	236.00
12.5 A	495.13B	236.00

Cross bar

steel tube \varnothing 33.7 mm, length: 2000 mm, hot-dip galvanized
and coated anthracite grey (metallic grey) cross bar, including
aluminium connection sockets for straight horizontal position

3.0 B	495.20B	55.50
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Joint element

aluminium joint element for use up to 90°,
for different slopes and angle positions

0.5 A	495.24B	57.80
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495.24B

Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection

Ornamental bollard of square steel tube 70 x 70 mm

with flat bar steel top, approx. 950 mm above ground, hot-dip galvanized and DB 703 coated



Stationary, for casting in concrete

with ground anchor, total length: approx. 1300 mm

Kg Part-No. Euro

8.5 A 4073B 138.00

Stationary, to be fixed by plugs

with base plate 100 x 150 mm

7.0 A 4073PB 145.00

Removable, with triangular locking mechanism

acc. to DIN 3223, self-engaging lock, with hot-dip galvanized ground socket part-no. 470.10, approx. 500 mm below ground

13.0 A 4073FB 198.00

Ornamental bollard of square steel tube 70 x 70 mm

with flat bar steel top, approx. 950 mm above ground, hot-dip galvanized and DB 703 coated



Rusty optic !



Stationary, for casting in concrete

with ground anchor, total length: approx. 1300 mm

8.5 A 40731B 131.00

Stationary, to be fixed by plugs

with base plate 100 x 150 mm

7.0 A 40731PB 137.00

Removable, with triangular locking mechanism

acc. to DIN 3223, self-engaging lock, with hot-dip galvanized ground socket part-no. 470.10, approx. 500 mm below ground

13.0 A 40731FB 192.00

Ornamental bollard of square steel tube 70 x 70 mm

with flat bar steel top, approx. 900 mm above ground, hot-dip galvanized and DB703 coated



	Kg	Part-No.	Euro
Stationary, for casting in concrete with ground anchor, total length: approx. 1300 mm	7.0 A	4071B	82.90
Stationary, to be fixed by plugs with base plate 100 x 150 mm	7.0 A	4071PB	90.90
Removable, with triangular locking mechanism acc. to DIN 3223, self-engaging lock, with hot-dip galvanized ground socket part-no. 470.10, approx. 500 mm below ground	11.5 A	4071FB	142.00
Stationary, for casting in concrete with ground anchor, total length: approx. 1200 mm	9.0 A	4081B	106.00
Stationary, to be fixed by plugs with base plate 200 x 200 mm	8.5 A	4081PB	119.00
Removable, with triangular locking mechanism acc. to DIN 3223, self-engaging lock, with hot-dip galvanized ground socket part-no. 470.10, approx. 500 mm below ground	14.5 A	4081FB	223.00
Stationary, for casting in concrete with ground anchor, total length: approx. 1200 mm	11.0 A	4075B	120.00
Stationary, to be fixed by plugs with base plate 200 x 200 mm	10.0 A	4075PB	134.00
Removable, with triangular locking mechanism acc. to DIN 3223, self-engaging lock, with hot-dip galvanized ground socket part-no. 470.10, approx. 500 mm below ground	16.5 A	4075FB	240.00

Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection



Ornamental bollard of steel tube 70 x 70 mm

with ornamental cap, approx. 950 mm
above ground, hot-dip galvanized and
coated RAL 7016

Stationary

for casting in concrete

with ground anchor,
total length: approx. 1300 mm

to be fixed by plugs

with base plate 100 x 150 mm

Removable,

self-engaging lock, incl. ground rosette,
with hot-dip galvanized ground socket
part-no. 470.10, approx. 500 mm below ground

with triangular locking mechanism,

acc. to DIN 3223

with profile cylinder lock, three keys incl.

Foldable to be fixed by plugs,

self-engaging lock, with base plate 100 x 150 mm

with triangular locking mechanism,

acc. to DIN 3223

with profile cylinder lock, three keys incl.

Foldable for casting in concrete,

self-engaging lock, with hot-dip galvanized
ground socket part-no. 470.60,
approx. 400 mm below ground

with triangular locking mechanism,

acc. to DIN 3223

with profile cylinder lock, three keys incl.

Kg	with decorative ring		without decorative ring	
	Part-No.	Euro	Part-No.	Euro

8.5 A	473B	96.80	4730B	88.10
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8.5 A	473PB	104.00	4730PB	94.40
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13.0 A	473FB	169.00	4730FB	154.00
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14.5 A	473ZB	213.00	4730ZB	206.00
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9.0 A	473FUB	187.00	4730FUB	170.00
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10.5 A	473UZB	205.00	4730UZB	198.00
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11.5 A	473FUHB	205.30	4730FUHB	188.30
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13.5 A	473UZHB	223.30	4730UZHB	216.30
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Other color finishes possible; see page 7
Barrier posts also available with eyelets; see page 56



Stainless steel

- Stainless steel barrier posts
- Stainless steel bollards
- Stainless steel hoops
- Corten steel bollards
- Lean-on hoops made of corten steel



Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection

Stainless steel post 70 x 70 mm

glass-bead blasted,
above ground: approx.
900 mm, with flat head



4070FU

	Kg	Part-No.	Euro
Stationary			
for casting in concrete			
with ground anchor	5.4 ^A	4070	134.00
total length: 1200 mm			
to be fixed by plugs			
with base plate 100 x 150 mm	4.9 ^A	4070P	170.00
Removable			
self-engaging lock, incl. ground rosette,			
with hot-dip galvanized ground socket			
part-no. 470.10, approx. 500 mm below ground			
with triangular locking mechanism acc. to DIN 3223	10.3 ^A	4070F	192.00
with profile cylinder lock , three keys incl.	13.1 ^A	4070Z	234.00
Foldable to be fixed by plugs,			
self-engaging lock,			
with base plate 100 x 150 mm			
with triangular locking mechanism acc. to DIN 3223	6.7 ^A	4070FU	212.00
with profile cylinder lock , three keys incl.	7.8 ^A	4070UZ	226.00
Foldable for casting in concrete,			
self-engaging lock,			
with hot-dip galvanized ground socket			
part-no. 470.60, approx. 400 mm below ground			
with triangular locking mechanism acc. to DIN 3223	9.2 ^A	4070FUH	230.30
with profile cylinder lock , three keys incl.	10.0 ^A	4070UZH	244.30



Posts can be delivered simultaneously locking or in a locking system; see page 49



Stainless steel post Ø 60 mm
grinded, above ground: approx. 900 mm,
convex head

	Kg	Part-No.	Euro
Stationary, for casting in concrete total length: 1200 mm	3.7 ^A	4062	91.00
Stationary, to be fixed by plugs with base plate Ø 120 x 5 mm	3.3 ^A	4062P	136.00



Suitable mounting material for this product:
set of mounting bolts type 1VA

Part-No.	Euro
470.76	16.50

Further accessories page 49

Removable, with triangular locking mechanism acc. to DIN 3223, self-engaging lock, with hot-dip galvanized ground socket part-no. 460.40, approx. 400 mm below ground	7.0 ^A	4062F	154.00
Removable, with Euro profile cylinder lock three keys, self-engaging lock, with hot-dip galvanized ground socket part-no. 460.40	7.4 ^A	4062Z	167.00

Accessories

Chain eyelets: Please add +1 / +2 to the part-no.

Extra charge per eyelet

Barrier chain of stainless steel Ø 5 mm

Connecting links

Chain bolting mechanism

			8.50
	0.5 ^A	430.55	18.60
	0.1 ^A	430.56	4.60
	0.1 ^A	430.57	6.90

Stainless steel care spray, content: 400 ml

cleaning and care spray

for long-lasting protective film

	0.5 ^A	430.58	18.60
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**Stainless steel post
Ø 76 mm**

grinded, convex head
above ground approx. 900 mm



4072



4272

	Kg	Without decorative groove Part-No.	Euro	With decorative groove Part-No.	Euro
Stationary					
for casting in concrete					
with ground anchor, total length: 1300 mm	5.0 A	4072	123.00	4272	127.00
to be fixed by plugs					
with base plate 100 x 150 mm	5.0 A	4072P	161.00	4272P	164.00
Removable					
self-engaging lock, incl. ground rosette, with hot-dip galvanized ground socket part-no. 476.40, approx. 400 mm below ground					
with triangular locking mechanism, acc. to DIN 3223	9.0 A	4072F	176.00	4272F	180.00
with profile cylinder lock, three keys incl.	10.5 A	4072Z	187.00	4272Z	191.00
Foldable to be fixed by plugs,					
self-engaging lock, with base plate 100 x 150 mm					
with triangular locking mechanism, acc. to DIN 3223	6.5 A	4072FU	190.00	4272FU	197.00
with profile cylinder lock, three keys incl.	7.0 A	4072UZ	201.00	4272UZ	207.00
Foldable for casting in concrete,					
self-engaging lock, with hot-dip galvanized ground socket part-no. 470.60, approx. 400 mm below ground					
with triangular locking mechanism, acc. to DIN 3223	8.0 A	4072FUH	208.30	4272FUH	215.30
with profile cylinder lock, three keys incl.	9.0 A	4072UZH	219.30	4272UZH	225.30



Posts can be delivered simultaneously locking or in a locking system; see page 49



Stainless steel post

grinded, convex head
above ground: approx. 900 mm



4089



40103P

Stationary, for casting in concrete

total length: 1200 mm

Stationary, to be fixed by plugs

with base plate \varnothing 150 x 6 mm

Removable, with triangular locking mechanism

acc. to DIN 3223, self-engaging lock,
with hot-dip galvanized ground socket part-no. 470.10

Removable, with Euro profile cylinder lock

three keys, self-engaging lock,
with hot-dip galvanized ground socket part-no. 470.10

\varnothing 89 mm
Kg Part-No. Euro

5.4 ^A 4089 140.00

5.1 ^A 4089P 178.00

10.3 ^A 4089F 198.00

12.0 ^A 4089Z 266.00

\varnothing 102 mm
Kg Part-No. Euro

6.2 ^A 40103 143.00

5.7 ^A 40103P 181.00

12.0 ^A 40103F 205.00

12.0 ^A 40103Z 270.00



Suitable mounting material for this product:

set of mounting bolts type 2VA

Part-No. Euro
470.77 26.20

Further accessories page 49

Barrier posts

Stainless steel post maintain high value and their attraction is timeless.

Car-park barriers

Stainless steel post Ø 154 mm
grinded, with flat head, stationary



Ornamental bollards



	Total length in mm	Kg	Part-No.	Euro
Stationary for casting in concrete with ground anchor	Approx. 900	7.0 ^A	40154	259.00
	Approx. 1200	9.5 ^A	40155	309.00
For plugging down with base plate Ø 250 mm	Approx. 600	7.5 ^A	40154P	335.00
	Approx. 900	10.0 ^A	40155P	375.00

Stainless steel

Removable
self-engaging lock,
with hot-dip galvanized ground socket part-no. 470.10,
above ground approx. 900 mm

Removable, with triangular locking mechanism acc. to DIN 3223		14.0 ^A	40154F	570.00
		^A		635.00

Barrier elements

Removable, with Euro profile cylinder lock, three keys

	14.0		40154Z	
--	------	--	--------	--

Barrier gates

Stainless steel post Ø 204 mm
grinded, with flat head, stationary

	Total length in mm	Kg	Part-No.	Euro
Stationary for casting in concrete with ground anchor	Approx. 900	10.0 ^A	40204	365.00
	Approx. 1200	13.0 ^A	40205	425.00
For plugging down with base plate Ø 250 mm	Approx. 600	10.0 ^A	40204P	434.00
	Approx. 900	13.0 ^A	40205P	495.00

Outdoor equipment



Removable
self-engaging lock,
with hot-dip galvanized ground socket part-no. 470.10,
above ground approx. 900 mm

Removable, with triangular locking mechanism acc. to DIN 3223		15.5 ^A	40204F	675.00
		^A		745.00

Removable, with Euro profile cylinder lock, three keys

	15.5 ^A		40204Z	
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Work site protection



Suitable mounting material for this product:

set of mounting bolts type 2VA

Part-No.	Euro
470.77	26.20

Further accessories page 49



Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection

Fully retractable stainless steel post Ø 154 mm
ground, with flat head



with gas spring
with triangular lock

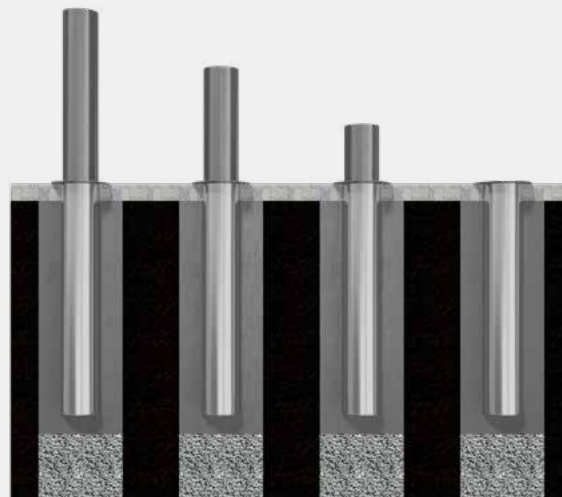
Kg	Part-No.	Euro
20.0 ^A	40154VER	980.00

height above ground approx. 750 mm

with hot-dip galvanized
ground sleeve Ø 168.3 mm



- stainless steel
- semi-automatic moves up by gas pressure
- to be unlocked by triangular lock
- easy handling





Stainless steel hoop \varnothing 48 mm
grinded surface



Without cross bar, for casting in concrete

Total width	Total height	Kg	Part-No.	Euro
800 mm	1200 mm	9.0 B	449.09	179.00
1000 mm	1200 mm	9.5 B	449.12	201.00
1200 mm	1200 mm	10.0 B	449.13	223.00



With cross bar, for casting in concrete

Total width	Total height	Kg	Part-No.	Euro
800 mm	1200 mm	11.0 B	449.21	233.00
1000 mm	1200 mm	12.5 B	449.22	255.00
1200 mm	1200 mm	13.5 B	449.23	269.00



Universal hoop, for casting in concrete

Total width	Total height	Kg	Part-No.	Euro
300 mm	1200 mm	9.0 A	449.30	163.00



Round hoop, for casting in concrete

Total width	Total height	Kg	Part-No.	Euro
460 mm	1200 mm	7.5 A	449.46	156.00
650 mm	1200 mm	8.0 B	449.65	179.00



Round hoop with cross bar, for casting in concrete

Total width	Total height	Kg	Part-No.	Euro
650 mm	1200 mm	10.0 B	449.66	230.00

**Stainless steel hoop
Ø 48 mm**

grinded surface, for plugging down,
with base plate Ø 120 x 5 mm



Without cross bar, for plugging down

Total width	Total height	Kg	Part-No.	Euro
800 mm	800 mm	7.5 ^B	449.09P	228.00
1000 mm	800 mm	8.0 ^B	449.12P	250.00
1200 mm	800 mm	9.0 ^B	449.13P	272.00



With cross bar, for plugging down

Total width	Total height	Kg	Part-No.	Euro
800 mm	800 mm	10.0 ^B	449.21P	282.00
1000 mm	800 mm	11.0 ^B	449.22P	304.00
1200 mm	800 mm	12.0 ^B	449.23P	318.00



Universal hoop, for plugging down

Total width	Total height	Kg	Part-No.	Euro
300 mm	800 mm	6.0 ^A	449.30P	212.00



Round hoop, for plugging down

Total width	Total height	Kg	Part-No.	Euro
460 mm	800 mm	6.0 ^A	449.46P	205.00
650 mm	800 mm	7.0 ^B	449.65P	228.00



Round hoop with cross bar, for plugging down

Total width	Total height	Kg	Part-No.	Euro
650 mm	800 mm	8.0 ^B	449.66P	279.00



Suitable mounting material for this product: set of mounting bolts type 1.2VA

Part-No. 470.762 **Euro** 33.10

Further accessories pages 49-56

Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection



Stainless steel bicycle lean-on hoop \varnothing 48 mm

very attractive and functional design, ground surface

total width: approx. 1400 mm
height above ground: approx. 850 mm

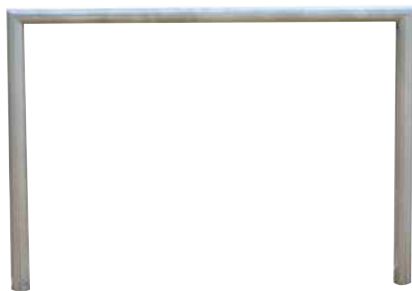
For casting in concrete

For plugging down
with base plate \varnothing 120 mm
pitch circle \varnothing 94 mm,
3 holes \varnothing 14 mm

Kg	Part-No.	Euro
9.0 ^B	449.50	291.00
8.0 ^B	449.50P	340.00

Stainless steel bicycle lean-on hoop \varnothing 48 mm

miter-welded, for casting in concrete
Ground surface



Total width	Total height	Kg	Part-No.	Euro
500 mm	1200 mm	8.5 ^A	449.85	178.00
700 mm	1200 mm	9.0 ^B	449.86	200.00
1000 mm	1200 mm	9.5 ^B	449.87	222.00
1200 mm	1200 mm	10.5 ^B	449.88	244.00



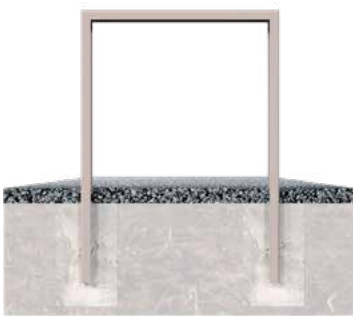
Ornamental bollard made of corten steel tube 80 x 80 mm

with flat head, approx. 900 mm above ground, surface raw, optical pre-rusted

	Kg	Part-No.	Euro
Stationary, for casting in concrete with ground anchor, total length: approx. 1200 mm	9.0 ^A	4481	149.00
Stationary, to be fixed by plugs with base plate 200 x 200 mm	8.5 ^A	4481P	177.00
Removable, with triangular locking mechanism acc. to DIN 3223, self-engaging lock, with hot-dip galvanized ground socket part-no. 470.10, approx. 500 mm below ground	14.5 ^A	4481F	264.00

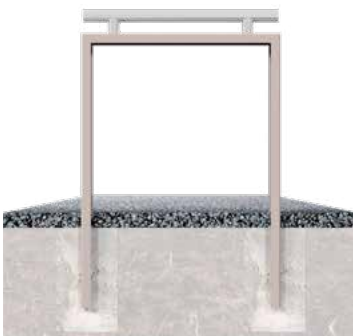
Lean-on hoop made of corten steel

for casting in concrete, total height: approx. 1100 mm, for casting in concrete, surface raw, optical pre-rusted



U-profile 80 x 40 mm

Total width	Kg	Part-No.	Euro
750 mm	20.0 ^B	4450.075	178.00



U-profile 80 x 40 mm

with upper part made of stainless steel \varnothing 48 mm

Total width	Kg	Part-No.	Euro
750 mm	21.5 ^B	4450.175	207.00



Lean on hoops are manufactured to order. Orders cannot be cancelled, these products cannot be returned.

Barrier elements

- Tubular hoops
- Access barriers
- Height restriction barriers
- Mobile manual barrier
- Protective railing
- City fence / railing



Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection

- Hoops for protection
- To secure sidewalks, separate roadways, block green areas from cars or protect trees and plants
- Suitable for production areas and stocks
- As lean-on hoop for bicycles



Steel tube Ø 48 x 2.5 mm



Without cross bar, for casting in concrete

hot-dip galvanized

galvanized and white coated with red reflecting stripes

Total width	Total height	Kg	Part-No.	Euro	Part-No.	Euro
1000 mm	1000 mm	8.0 ^B	448.06	47.10	448.06B	76.80
1500 mm	1000 mm	9.5 ^B	448.07	52.40	448.07B	82.10
2000 mm	1000 mm	10.5 ^B	448.08	58.20	448.08B	87.90
700 mm	1200 mm	8.0 ^B	448.11	48.50	448.11B	78.20
1000 mm	1200 mm	9.0 ^B	448.12	52.10	448.12B	81.80
1200 mm	1200 mm	9.4 ^B	448.13	54.60	448.13B	84.30
500 mm	1400 mm	9.0 ^A	448.09	50.90	448.09B	80.60
1000 mm	1400 mm	10.0 ^B	448.10	56.40	448.10B	86.10
1500 mm	1400 mm	11.0 ^B	448.15	62.80	448.15B	92.00
2000 mm	1400 mm	13.0 ^B	448.20	68.60	448.20B	98.30
2500 mm	1400 mm	14.5 ^C	448.25	75.20	448.25B	105.00

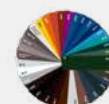


Without cross bar, for plugging down

1000 mm	1000 mm	9.0 ^B	448.52	72.50	448.52B	105.00
1500 mm	1000 mm	10.5 ^B	448.53	84.20	448.53B	126.00
2000 mm	1000 mm	12.0 ^B	448.54	96.20	448.54B	135.00



Other color finishes possible; see page 7
 Other dimensions available on request. Powder-coats are made to order.
 Orders cannot be cancelled or deliveries returned.





Steel tube Ø 48 x 2.5 mm



With cross bar, for casting in concrete

hot-dip galvanized

galvanized and white coated with red reflecting stripes

Total width	Total height	Kg	Part-No.	Euro	Part-No.	Euro
700 mm	1200 mm	10.0 ^B	448.21	68.40	448.21B	105.00
1000 mm	1200 mm	11.5 ^B	448.22	74.40	448.22B	114.00
1200 mm	1200 mm	12.5 ^B	448.23	78.40	448.23B	118.00
500 mm	1400 mm	10.0 ^A	448.31	66.30	448.31B	101.00
1000 mm	1400 mm	12.5 ^B	448.32	78.40	448.32B	118.00
1500 mm	1400 mm	15.5 ^B	448.33	91.40	448.33B	137.00
2000 mm	1400 mm	18.5 ^B	448.34	103.00	448.34B	154.00
2500 mm	1400 mm	21.0 ^C	448.35	116.00	448.35B	173.00



With cross bar, for plugging down

1000 mm	1000 mm	12.0 ^B	448.62	92.50	448.62B	125.00
1500 mm	1000 mm	14.5 ^B	448.63	99.10	448.63B	141.00
2000 mm	1000 mm	17.5 ^B	448.64	113.00	448.64B	159.00

Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection



Steel tube Ø 60 x 2.5 mm



Without cross bar, for casting in concrete

hot-dip galvanized

galvanized and white coated with red reflecting stripes

Total width	Total height	Kg	Part-No.	Euro	Part-No.	Euro
1000 mm	1000 mm	9.5 B	465.06	59.30	465.06B	85.60
1500 mm	1000 mm	11.5 B	465.07	66.20	465.07B	94.40
2000 mm	1000 mm	13.0 B	465.08	74.60	465.08B	106.00
700 mm	1200 mm	10.0 B	465.11	61.30	465.11B	88.80
1000 mm	1200 mm	11.0 B	465.12	66.20	465.12B	95.20
1200 mm	1200 mm	12.0 B	465.13	69.50	465.13B	99.30
500 mm	1400 mm	11.0 B	465.09	66.60	465.09B	96.20
1000 mm	1400 mm	12.5 B	465.10	74.30	465.10B	107.00
1500 mm	1400 mm	14.5 B	465.15	80.70	465.15B	115.00
2000 mm	1400 mm	16.0 B	465.20	88.80	465.20B	126.00
2500 mm	1400 mm	18.0 C	465.25	97.40	465.25B	138.00



Without cross bar, for plugging down

1000 mm	1000 mm	11.0 B	465.52	92.70	465.52B	132.00
1500 mm	1000 mm	13.0 B	465.53	104.00	465.53B	145.00
2000 mm	1000 mm	14.5 B	465.54	110.00	465.54B	154.00



Steel tube Ø 60 x 2.5 mm



With cross bar, for casting in concrete

Total width	Total height	Kg
700 mm	1200 mm	12.0 B
1000 mm	1200 mm	14.5 B
1200 mm	1200 mm	15.5 B
500 mm	1400 mm	12.0 A
1000 mm	1400 mm	15.5 B
1500 mm	1400 mm	19.5 B
2000 mm	1400 mm	23.0 B
2500 mm	1400 mm	26.5 C

hot-dip galvanized

Part-No.	Euro
465.21	84.40
465.22	90.50
465.23	95.40
465.31	88.30
465.32	95.00
465.33	110.00
465.34	128.00
465.35	145.00

galvanized and white coated with red reflecting stripes

Part-No.	Euro
465.21B	117.00
465.22B	124.00
465.23B	129.00
465.31B	122.00
465.32B	129.00
465.33B	150.00
465.34B	173.00
465.35B	196.00



With cross bar, for plugging down

Total width	Total height	Kg
1000 mm	1000 mm	14,0 B
1500 mm	1000 mm	17,5 B
2000 mm	1000 mm	21,0 B

Part-No.	Euro
465.62	114.00
465.63	134.00
465.64	150.00

Part-No.	Euro
465.62B	156.00
465.63B	183.00
465.64B	201.00



Other dimensions, quantities available on request. Powder-coats are made to order. Orders cannot be cancelled or deliveries returned

Barrier posts

Round hoops of steel tube Ø 48 X 2.5 mm



Car-park barriers

Ornamental bollards

Stainless steel



For casting in concrete,
steel tube Ø 48 mm, total height: approx. 1200 mm

Without cross bar
total width: approx. 460 mm

hot-dip galvanized

Kg Part-No. Euro

7.0 ^A 448.046 61.20

hot-dip galvanized and coated
color: green (RAL 6005)

7.0 ^A 448.046B 85.70

Barrier elements



Without cross bar
total width: approx. 650 mm

hot-dip galvanized

7.5 ^B 448.065 73.90

hot-dip galvanized and coated
color: green (RAL 6005)

7.5 ^B 448.065B 100.00

Barrier gates



With cross bar
total width: approx. 650 mm

hot-dip galvanized

9.0 ^B 448.066 92.00

hot-dip galvanized and coated
color: green (RAL 6005)

9.0 ^B 448.066B 119.00

Outdoor equipment

Work site protection

Optionally available with:

Base plate 100 x 150 mm
(The total height changes to 900 mm)

add letter **P** to the part-no.
Additional costs: 25.00 Euro

Tree guard hoops

our tree guard hoops give an effective contribution to environmental protection. They help preserve valuable stocks of trees from impact by parking cars. They are also ideal for protecting lamps, etc.



Tree guard hoops



For casting in concrete

Steel tube Ø 48 x 2.5 mm

total width: approx. 750 mm
total height: approx. 1400 mm

Steel tube Ø 60 x 2.5 mm

total width: approx. 800 mm
total height: approx. 1450 mm

	Kg	Part-No.	Euro	Kg	Part-No.	Euro
hot-dip galvanized	8.5 ^B	443.00	51.60	11.0 ^B	463.00	58.40
hot-dip galvanized and coated color: green (RAL 6005)	8.5 ^B	443.00B	76.70	11.0 ^B	463.00B	82.70

Universal hoop



For casting in concrete

Steel tube Ø 48 mm

total width: approx. 300 mm
total height: approx. 1400 mm

Steel tube Ø 60 mm

total width: approx. 400 mm
total height: approx. 1400 mm

	Kg	Part-No.	Euro	Kg	Part-No.	Euro
hot-dip galvanized	8.0 ^A	448.70	43.00	10.5 ^A	465.70	51.90
hot-dip galvanized and coated color: green (RAL 6005)	8.0 ^A	448.70B	64.50	10.5 ^A	465.70B	73.20

Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection



Anti-nudge hoop for trees and posts

steel tube construction with 2 hoops Ø 60 mm with welded-on-cross-bars Ø 48 mm for nesting



For casting in concrete

Total width	Total depth	Height above ground	Kg
600 mm	600 mm	650 mm	21.5 ^B
800 mm	800 mm	800 mm	25.5 ^B

hot-dip galvanized

Part-No.	Euro
465.066	233.00
465.068	248.00

galvanized and white coated with red reflecting stripes

Part-No.	Euro
465.066B	259.00
465.068B	275.00



For plugging down

Total width	Total depth	Height above ground	Kg
600 mm	600 mm	650 mm	19.0 ^B
800 mm	800 mm	800 mm	24.0 ^B

hot-dip galvanized

Part-No.	Euro
465.066P	248.00
465.068P	273.00

galvanized and white coated with red reflecting stripes

Part-No.	Euro
465.066PB	273.00
465.068PB	300.00



Also available in yellow/black, see page 182



Guard hoops

steel tube \varnothing 76 x 2.6 mm
without cross bar



For casting in concrete

Total width	Total height	Kg	Part-No.	hot-dip galvanized		galvanized and white coated with red reflecting stripes	
				Euro	Part-No.	Euro	
1000 mm	1500 mm	17.5 ^B	475.10	116.00	475.10B	174.00	
1500 mm	1500 mm	19.5 ^B	475.15	128.00	475.15B	191.00	
2000 mm	1500 mm	22.5 ^B	475.20	141.00	475.20B	210.00	
2500 mm	1500 mm	24.5 ^C	475.25	154.00	475.25B	230.00	
750 mm	1000 mm	13.0 ^B	477.05	105.00	477.05B	144.00	
1000 mm	1000 mm	14.0 ^B	477.06	107.00	477.06B	161.00	
750 mm	1500 mm	16.0 ^B	477.08	112.00	477.08B	170.00	



For plugging down

750 mm	650 mm	9.5 ^B	477.05P	151.00	477.05PB	170.00
1000 mm	650 mm	11.0 ^B	477.06P	168.00	477.06PB	187.00
750 mm	1150 mm	14.5 ^B	477.08P	168.00	477.08PB	197.00
1000 mm	1150 mm	15.5 ^B	477.09P	179.00	477.09PB	212.00



For casting in concrete

400 mm	1000 mm	11.0 ^B	477.04	102.00	477.04B	134.00
400 mm	1500 mm	14.5 ^B	477.07	127.00	477.07B	158.00



For plugging down

400 mm	650 mm	9.5 ^B	477.04P	127.00	477.04PB	160.00
400 mm	1150 mm	12.5 ^B	477.07P	153.00	477.07PB	185.00

Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection

Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

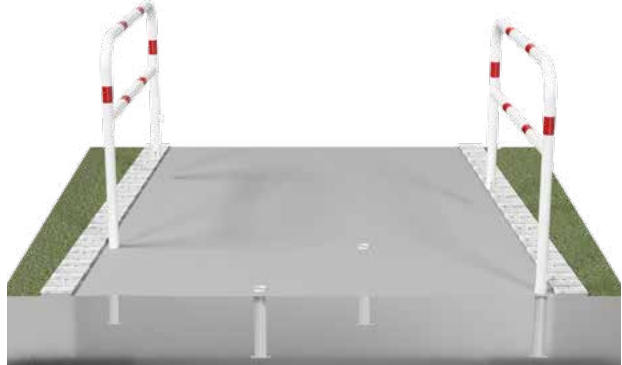
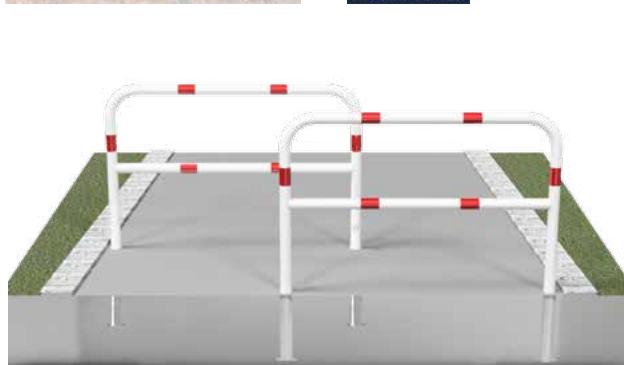
Barrier gates

Outdoor equipment

Work site protection

Access barriers

removable, revolving, round steel tube Ø 60 mm, with triangular locking mechanism acc. to DIN 3223, including hot-dip galvanized ground sockets part no. 460.10 and item no. 460.40
total height: approx. 1400 mm
above ground: approx. 1000 mm



Total width in mm	1000	1500	2000	2500
hot-dip galvanized				
Part-No.	465.10F	465.15F	465.20F	465.25F
Kg	16.5 ^B	18.5 ^B	20.0 ^B	22.0 ^C
Euro	151.00	158.00	165.00	176.00

hot-dip galvanized and white coated with red reflecting stripes				
Part-No.	465.10FB	465.15FB	465.20FB	465.25FB
Kg	16.5 ^B	18.5 ^B	20.0 ^B	22.0 ^C
Euro	188.00	198.00	209.00	224.00

hot-dip galvanized				
Part-No.	465.32F	465.33F	465.34F	465.35F
Kg	20.0 ^B	23.0 ^B	27.0 ^B	30.5 ^C
Euro	172.00	187.00	205.00	222.00

hot-dip galvanized and white coated with red reflecting stripes				
Part-No.	465.32FB	465.33FB	465.34FB	465.35FB
Kg	20.0 ^B	21.0 ^B	27.0 ^B	30.5 ^C
Euro	215.00	237.00	266.00	289.00



Access barriers, revolving 70 x 70 mm

Access barriers

with triangular lock,
acc. to DIN 3223, swing-back, consists of:

1 stationary post, revolving

square tube 70 x 70 mm, above ground 900 mm

1 removable post, with triangular locking mechanism

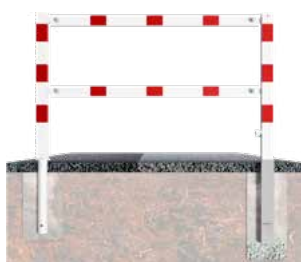
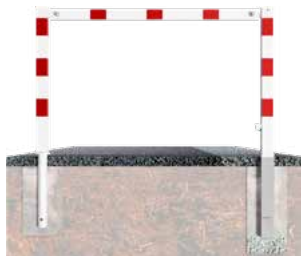
DIN 3223, square tube 70 x 70 mm

1 ground socket, part.-No. 470.10

square tube 80 x 80 mm, 500 mm long

1 top bar

Square tube 60 x 40 mm



Total width in mm	1500	2000	2500	3000
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hot-dip galvanized

Part-No.	410.15	410.20	410.25	410.30
Kg	25.5 ^B	27.5 ^B	29.5 ^C	31.0 ^C
Euro	240.00	249.00	260.00	269.00

hot-dip galvanized and white coated with red reflecting stripes

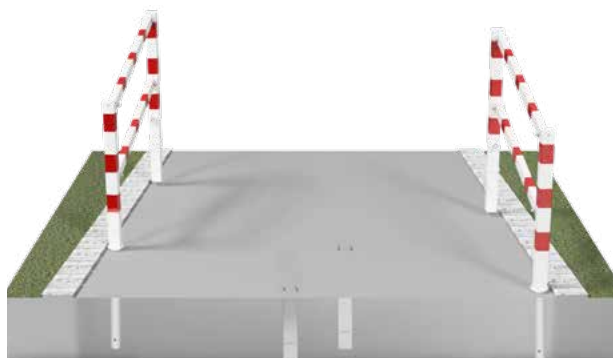
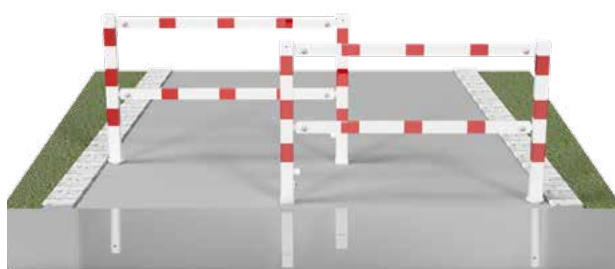
Part-No.	410.15B	410.20B	410.25B	410.30B
Kg	25.5 ^B	27.5 ^B	29.5 ^C	31.0 ^C
Euro	278.00	291.00	306.00	326.00

hot-dip galvanized

Part-No.	412.15	412.20	412.25	412.30
Kg	31.0 ^B	34.5 ^B	38.5 ^C	42.0 ^C
Euro	287.00	304.00	327.00	348.00

hot-dip galvanized and white coated with red reflecting stripes

Part-No.	412.15B	412.20B	412.25B	412.30B
Kg	31.0 ^B	34.5 ^B	38.5 ^C	42.0 ^C
Euro	336.00	365.00	390.00	415.00



Note for your order: additional ground sockets (type 470.10) for settling the barrier ordered directly (extra charge)

Access barriers with Euro profile cylinder lock on request. A version that can also be taken out on both sides is also available.

Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection



With top bar

Total width in mm	1500	2000	2500	3000
hot-dip galvanized				
Part-No.	414.15	414.20	414.25	414.30
Kg	19.5 ^B	21.5 ^B	23.5 ^C	25.0 ^C
Euro	162.00	174.00	185.00	197.00

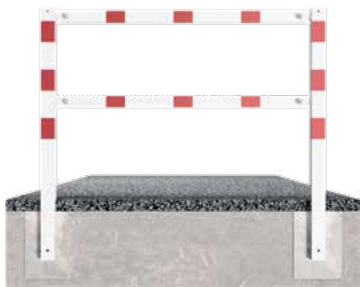


hot-dip galvanized and white coated with red reflecting stripes				
Part-No.	414.15B	414.20B	414.25B	414.30B
Kg	19.5 ^B	21.5 ^B	23.5 ^C	25.0 ^C
Euro	207.00	217.00	232.00	253.00



With top and quarter-bent bar

hot-dip galvanized				
Part-No.	416.15	416.20	416.25	416.30
Kg	25.0 ^B	29.0 ^B	32.5 ^C	36.0 ^C
Euro	210.00	230.00	253.00	270.00



hot-dip galvanized and white coated with red reflecting stripes				
Part-No.	416.15B	416.20B	416.25B	416.30B
Kg	25.0 ^B	29.0 ^B	32.5 ^C	36.0 ^C
Euro	269.00	294.00	315.00	340.00

Stationary access barriers

for bolting on site, including bolts, consists of:

2 stationary posts

square tube 70 x 70 mm, above ground 900 mm
total height: 1300 mm

1 cross bar

square tube 60 x 40 mm



Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection



With top bar

Total width in mm	1500	2000	2500
hot-dip galvanized			
Part-No.	4014.15	4014.20	4014.25
Kg	19.0 ^B	21.0 ^B	23.0 ^C
Euro	162.00	173.00	185.00



hot-dip galvanized and white coated with red reflecting stripes			
Part-No.	4014.15B	4014.20B	4014.25B
Kg	19.0 ^B	21.0 ^B	23.0 ^C
Euro	207.00	217.00	232.00



With top and quarter-bent bar

hot-dip galvanized			
Part-No.	4016.15	4016.20	4016.25
Kg	24.0 ^B	28.0 ^B	32.0 ^C
Euro	210.00	231.00	252.00



hot-dip galvanized and white coated with red reflecting stripes			
Part-No.	4016.15B	4016.20B	4016.25B
Kg	24.0 ^B	28.0 ^B	32.0 ^C
Euro	269.00	291.00	315.00



Access barriers as welded frame are manufactured to order. Other widths on request. Subject to change. Orders cannot be cancelled, access barriers cannot be returned.

Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection

Height restriction barriers

stationary, with cable pull

Vertical clearance variably turnable

1800 - 2800 mm

Height above ground

approx. 3000 mm

2 square posts

steel tube Ø 102 mm

hot-dip galvanized and white coated

Cross bar

aluminium 100 x 50 mm

white coated with red reflecting stripes



Height adjustable

For casting in concrete

	Cross tube length	Kg	Part-No.	Euro
	3000 mm	78,5 c	417.302B	1065.00
	4000 mm	81,0 ▫	417.402B	1105.00
	5000 mm	83,5 ▫	417.502B	1145.00
	6000 mm	86,0 ▫	417.602B	1185.00
	7000 mm	91,0 ▫	417.702B	1225.00
	8000 mm	93,5 ▫	417.802B	1265.00
	9000 mm	96,0 ▫	417.902B	1305.00

For plugging down

3000 mm	78,5 c	417.302BP	1145.00
4000 mm	81,0 ▫	417.402BP	1185.00
5000 mm	83,5 ▫	417.502BP	1225.00
6000 mm	86,0 ▫	417.602BP	1265.00
7000 mm	91,0 ▫	417.702BP	1305.00
8000 mm	93,5 ▫	417.802BP	1345.00
9000 mm	96,0 ▫	417.902BP	1385.00



Height restriction barriers

Height restriction barriers

pivotable horizontally with cable pull, lock opened or closed by pin, white coated with red reflecting stripes

Vertical clearance variably turnable

1800 - 2800 mm

Height above ground

approx. 3000 mm

1 piece

Revolving post

steel tube \varnothing 102 mm

hot-dip galvanized and white coated

Cross bar

aluminium 100 x 50 mm

white coated with red reflecting stripes



For casting in concrete

Cross tube length	Kg	For padlock		Triangular lock		Profile cylinder lock	
		Part-No.	Euro	Part-No.	Euro	Part-No.	Euro
2000 mm	57,5 c	417.201VB	720.00	417.201FB	820.00	417.201ZB	885.00
2500 mm	58,5 c	417.251VB	740.00	417.251FB	840.00	417.251ZB	905.00
3000 mm	60,0 c	417.301VB	760.00	417.301FB	860.00	417.301ZB	925.00
3500 mm	61,0 c	417.351VB	780.00	417.351FB	880.00	417.351ZB	945.00
4000 mm	62,0 d	417.401VB	800.00	417.401FB	900.00	417.401ZB	965.00
4500 mm	63,5 d	417.451VB	820.00	417.451FB	920.00	417.451ZB	985.00

For plugging down

2000 mm	57,5 c	417.201VBP	760.00	417.201FBP	860.00	417.201ZBP	925.00
2500 mm	58,5 c	417.251VBP	780.00	417.251FBP	880.00	417.251ZBP	945.00
3000 mm	60,0 c	417.301VBP	800.00	417.301FBP	900.00	417.301ZBP	965.00
3500 mm	61,0 c	417.351VBP	820.00	417.351FBP	920.00	417.351ZBP	985.00
4000 mm	62,0 d	417.401VBP	840.00	417.401FBP	940.00	417.401ZBP	1005.00
4500 mm	63,5 d	417.451VBP	860.00	417.451FBP	960.00	417.451ZBP	1025.00



Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection

Height restriction barriers

hot-dip galvanized and white coated with red reflecting stripes



Stationary, 100 x 100 mm for casting in concrete

2 square posts of steel tube 100 x 100 mm,
total height: approx. 3000 mm
1 cross bar made of aluminium tube, 100 x 50 mm,
clear height: approx. 2300 mm

Total width	Kg	Part-No.	Euro
3000 mm	66.2 c	417.32B	755.00
4000 mm	68.5 d	417.42B	820.00
5000 mm	71.0 d	417.52B	890.00
6000 mm	73.5 d	417.62B	955.00

Stationary, 70 x 70 mm for casting in concrete

2 posts of steel tube 70 x 70 mm,
total height: approx. 2500 mm
1 cross bar 60 x 40 mm, steel tube,
clear height: approx. 2000 mm

3000 mm	38.5 c	417.30B	447.00
4000 mm	44.0 d	417.40B	495.00

Stationary, 100 x 100 mm for plugging down

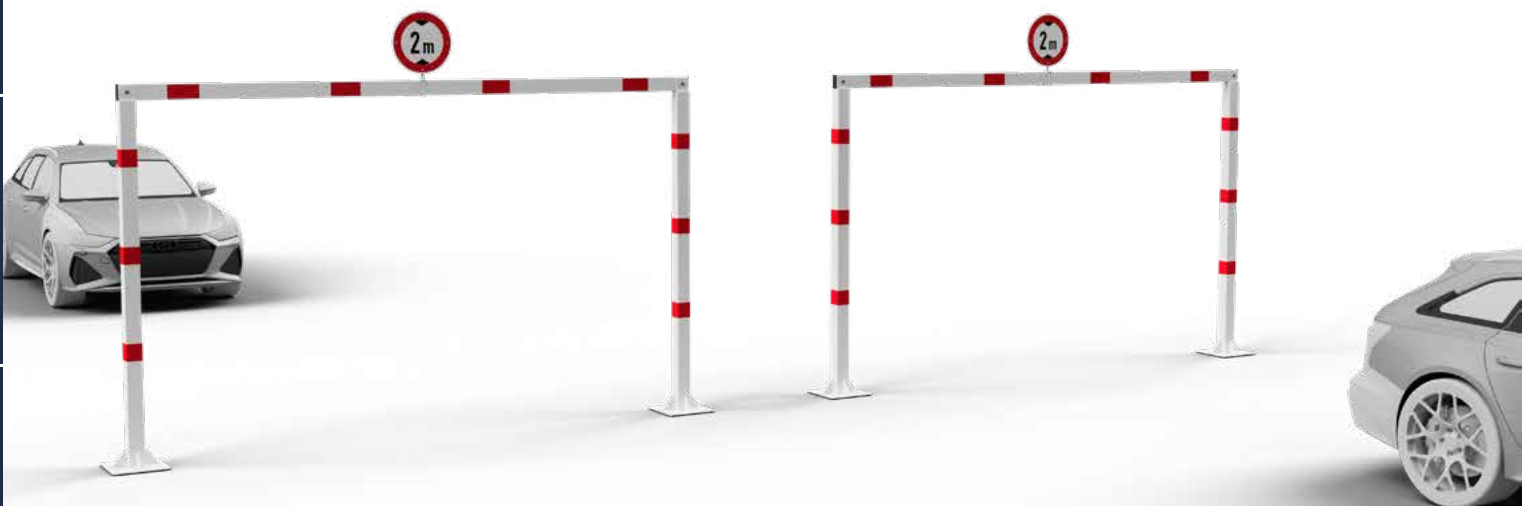
2 posts of steel tube 100 x 100 mm,
total height: approx. 3000 mm
1 crossbar, aluminium tube, 100 x 50 mm,
clear height approx. 2300 mm

Total width	Kg	Part-No.	Euro
3000 mm	66.2 c	417.32BP	835.00
4000 mm	68.5 d	417.42BP	900.00
5000 mm	71.0 d	417.52BP	970.00
6000 mm	73.5 d	417.62BP	1035.00

Stationary, 70 x 70 mm for for plugging down

2 posts of steel tube 70 x 70 mm,
total height: approx. 2500 mm
1 crossbar 60 x 40 mm, steel tube
Clear height approx. 2000 mm

3000 mm	38.5 c	417.30BP	527.00
4000 mm	44.0 d	417.40BP	575.00



Pivotable, 70 x 70 mm for casting in concrete

1 post

made of steel tube 70 x 70 mm
stationary, for casting in concrete,
total height: approx. 2500 mm

1 post

made of steel tube 70 x 70 mm
incl. ground socket type 470.10
approx. 500 mm below ground level

1 crossbar

made of tubular steel 60 x 40 mm
Clear height approx. 2000 mm

Total width

3000 mm
4000 mm

Kg

42.5 ^B
45.0 ^C

Art.-Nr.

417.31B
417.41B

Euro

520.00
565.00



Available as accessory:

For all height limiters with crossbar 100 x 50 mm.

Barrier made of aluminium tube

Ø 40 mm, white coated with red reflecting
with universal fastening incl. chain for attachment to the
to the crossbar of the height limiter



Attention: The (maximum) clear height of the height limiter
is reduced by approx. 200 mm due to the barrier.



Length	Kg	Part-No.	Euro
Length 2000 mm	2.1 ^B	417.B02	81.10
Length 3000 mm	3.2 ^C	417.B03	87.10
Length 4000 mm	4.3 ^C	417.B04	101.00
Length 6000 mm	6.4 ^D	417.B06	129.00

Bracket for information sign

for fastening to the crossbar of the height limiter,
suitable for sign size Ø 420 mm
hot-dip galvanised, white coated



417.98



417.97

Universal holder with fixing bracket for
height limiter with cross tube 100 x 50 mm

Holder for screwing on from the side

Kg

0.8 ^A

Part-No.

417.98

Euro

40.80

0.7 ^A

417.97

40.80

Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection

Protects gateways, halls with limited height, subways, etc.



Barrier

aluminium profile
height: 100 mm, with protecting caps on the sides white coated with red reflecting stripes
incl. 2 x 1 m steel chain galvanized



	Length	Kg	Part-No.	Euro
Reflecting one-sided	2000 mm	3.5 ^B	4117.20B	107.00
	3000 mm	5.0 ^C	4117.30B	136.00
	4000 mm	6.0 ^D	4117.40B	165.00
	5000 mm	7.0 ^D	4117.50B	194.00
	6000 mm	8.5 ^D	4117.60B	223.00
Reflecting both-sided	2000 mm	3.5 ^B	4217.20B	120.00
	3000 mm	5.0 ^C	4217.30B	156.00
	4000 mm	6.0 ^D	4217.40B	192.00
	5000 mm	7.0 ^D	4217.50B	228.00
	6000 mm	8.5 ^D	4217.60B	228.00

Clearly visible crash guard for posts, pillars, poles etc.

Crash guard angle

made of aluminium plate with 4 bores
Ø 8 mm for plugging down
height 1000 mm
angular dimension 120 mm
white/red reflecting



kg
Part-No.
Euro

1.3 ^A
4317RB
35.90

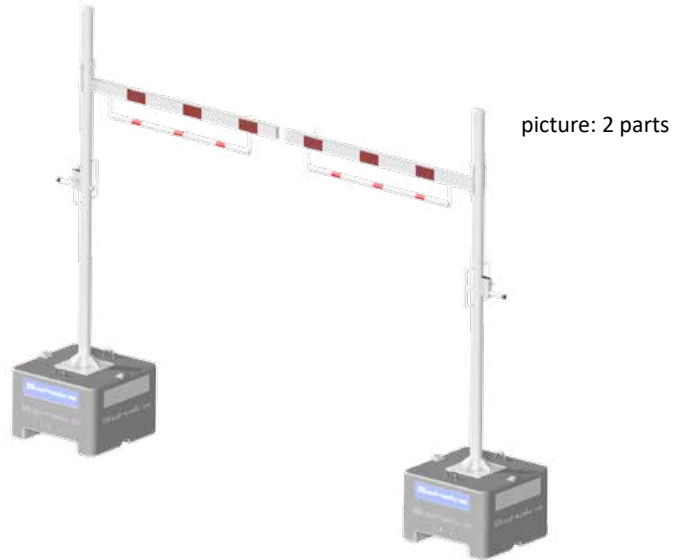
1.3 ^A
4317LB
35.90



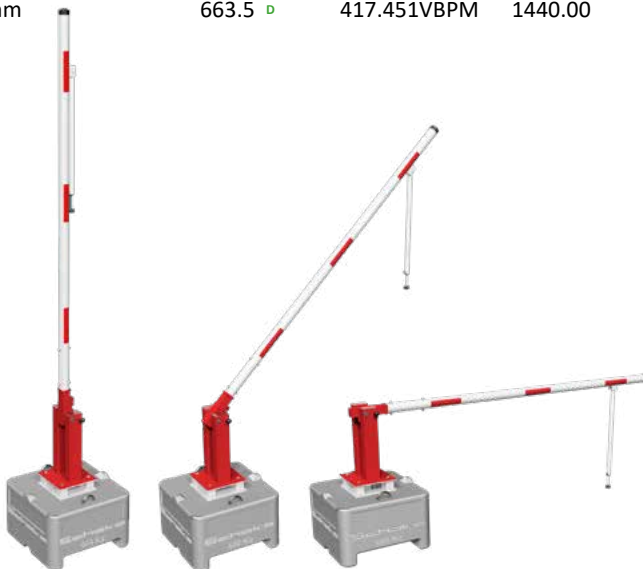
These products are also available in yellow/black; see work site protection page 194

Mobile height limiter

to be mounted on a concrete support (600 kg, part-no. 3F120) by means of an adapter plate welded to the bottom of the post, can be positioned by forklift or crane, optional with part-no. 70670N for levelling uneven floors, unevenness of the floor.



Cross tube length	Kg	For padlock		Triangular lock		Profile cylinder lock	
		Part-No.	Euro	Part-No.	Euro	Part-No.	Euro
2000 mm	657.5 ◻	417.201VBPM	1340.00	417.201FBPM	1440.00	417.201ZBPM	1505.00
2500 mm	658.5 ◻	417.251VBPM	1360.00	417.251FBPM	1460.00	417.251ZBPM	1525.00
3000 mm	660.0 ◻	417.301VBPM	1380.00	417.301FBPM	1480.00	417.301ZBPM	1545.00
3500 mm	661.0 ◻	417.351VBPM	1400.00	417.351FBPM	1500.00	417.351ZBPM	1565.00
4000 mm	662.0 ◻	417.401VBPM	1420.00	417.401FBPM	1520.00	417.401ZBPM	1585.00
4500 mm	663.5 ◻	417.451VBPM	1440.00	417.451FBPM	1540.00	417.451ZBPM	1605.00



Mobile manual barrier

The mobile hand barrier is intended for use at construction site access points, conversions or other temporary access restrictions. By eliminating the need for foundation work, the barrier can be erected quickly and safely. Our concrete erection device with a weight of 600 kg ensures stability.

barrier arm length	Kg	For padlock		Triangular lock	
		Part-No.	Euro	Part-No.	Euro
3000 mm	645.5 ◻	415.31VPBM	1640.00	415.31FPBM	1735.00
4000 mm	648.0 ◻	415.41VPBM	1690.00	415.41FPBM	1785.00
5000 mm	651.0 ◻	415.51VPBM	1740.00	415.51FPBM	1835.00
6000 mm	652.0 ◻	415.61VPBM	1800.00	415.61FPBM	1895.00
7000 mm	655.0 ◻	415.71VPBM	1870.00	415.71FPBM	1965.00

barrier arm length	Kg	Profile cylinder lock		Triangular lock and Profile cylinder lock	
		Part-No.	Euro	Part-No.	Euro
3000 mm	646.5 ◻	415.31ZPBM	1745.00	415.31FZPBM	1870.00
4000 mm	649.5 ◻	415.41ZPBM	1795.00	415.41FZPBM	1920.00
5000 mm	651.5 ◻	415.51ZPBM	1845.00	415.51FZPBM	1970.00
6000 mm	654.5 ◻	415.61ZPBM	1905.00	415.61FZPBM	2030.00
7000 mm	656.5 ◻	415.71ZPBM	1975.00	415.71FZPBM	2100.00

Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection

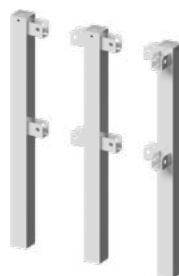
Protective railing as safety railing in special hazard areas. The railing system is made for casting in concrete or for plugging down and available with base plate.



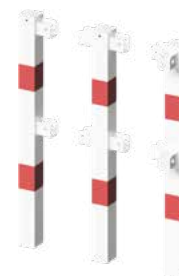
Protective railing

Steel tube 70 x 70 mm

with top and quarter-bent bar
steel tube 60 x 40 mm,
height above ground: approx.
1000 mm for assembling bolts



hot-dip galvanized



hot-dip galvanized and white coated with red reflecting stripes

Fixed post for casting in concrete

End post

for top and quarter-bent bar

Kg

Part-No.

Euro

Part-No.

Euro

8.0 A	4270	90.20	4270B	102.00
8.5 A	4271	107.00	4271B	112.00
8.5 A	4273	102.00	4273B	115.00

Middle post

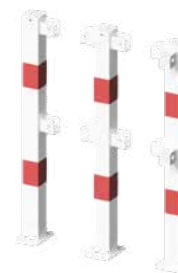
for top and quarter-bent bar

Corner post

for top and quarter-bent bar 90°

Fixed post for plugging down

with base plate 100 x 150 mm



End post

for top and quarter-bent bar

Middle post

for top and quarter-bent bar

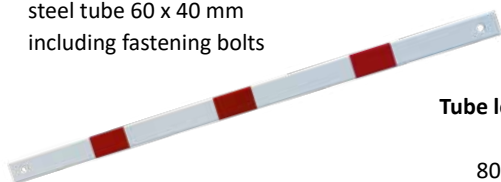
Corner post

for top and quarter-bent bar 90°

6.5 A	4270P	96.50	4270PB	109.00
7.0 A	4271P	106.00	4271PB	118.00
7.0 A	4273P	109.00	4273PB	120.00

Cross bar

steel tube 60 x 40 mm
including fastening bolts



Tube length

Kg

hot-dip galvanized

Part-No.

Euro

hot-dip galvanized and white coated with red reflecting stripes

Part-No.

Euro

800 mm	3.0 A	4208	31.10	4208B	35.90
1300 mm	5.0 A	4213	41.10	4213B	47.50
1800 mm	7.0 B	4218	49.20	4218B	56.90
2300 mm	8.5 B	4223	57.20	4223B	66.50



The cross bars are simply placed in the brackets of the stationary post and bolted in place. (Suitable as temporary guard without bolts). Also available in yellow / black design; see work site protection

Protective railing

Separating traffic lanes, sidewalks, etc.
Installation is very simple: assemble,
cast in concrete or plug down – that's it.



Protective railing

Steel tube \varnothing 48 mm

variable plugging,

height above ground: approx. 1000 mm

For casting in concrete



For plugging down

with base plate 100 x 150 mm



hot-dip galvanized

hot-dip galvanized and white coated with red reflecting stripes

	Kg	Part-No.	Euro	Part-No.	Euro
End post	5.5 ^A	448.80	61.10	448.80B	73.10
Middle post	7.5 ^A	448.81	65.70	448.81B	77.70
Corner Post	9.5 ^A	448.815	65.00	448.815B	83.30



hot-dip galvanized

hot-dip galvanized and white coated with red reflecting stripes

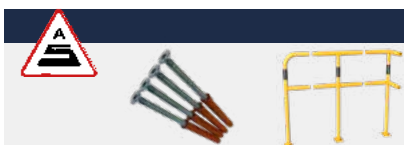
	Kg	Part-No.	Euro	Part-No.	Euro
End post	5.0 ^A	448.80P	68.00	448.80PB	80.10
Middle post	7.0 ^A	448.81P	72.60	448.81PB	84.80
Corner Post	9.0 ^A	448.815P	72.50	448.815PB	97.30

Cross bar

steel tube \varnothing 48 mm



Tube length	Grid site	Kg	Part-No.	Euro	Part-No.	Euro
500 mm	1000 mm	1.5 ^A	448.42	18.00	448.42B	23.50
1000 mm	1500 mm	3.0 ^A	448.43	24.40	448.43B	29.10
1500 mm	2000 mm	4.5 ^B	448.44	30.60	448.44B	36.00



For the suitable mounting material see page 49
Also available in yellow / black design; see page 183

Safety fencing
for exposed areas of danger

Example of use:



The fence panels are fixed to the vertical posts so as to allow setting at different degrees or angles. One edge of the panel fence cross bars always points upwards to avoid misuse.

Fence panel

40 x 40 mm square tube with Ø 20 mm steel tube, welded rods, spacing between the vertical rods: 100 mm, height: 950 mm, total height assembled 1050 mm



418.15BR

	Center spacing	Kg	Part-No.	Euro
hot-dip galvanized	750 mm	16.5 ^B	418.07	95.30
	1500 mm	23.0 ^B	418.15	165.00
	2000 mm	31.0 ^B	418.20	214.00
hot-dip galvanized and coated white	750 mm	16.5 ^B	418.07BW	124.00
	1500 mm	23.0 ^B	418.15BW	209.00
	2000 mm	31.0 ^B	418.20BW	264.00
hot-dip galvanized and coated red	750 mm	16.5 ^A	418.07BR	124.00
	1500 mm	23.5 ^B	418.15BR	209.00
	2000 mm	31.0 ^B	418.20BR	264.00



418.00



418.02

Fixed post

of square tube 60 x 60 mm, with steel cap, for casting in concrete
total height: 1500 mm

Middle post with 4 connecting clips

hot-dip galvanized	6.0 ^B	418.00	66.80
hot-dip galvanized and white coated	6.0 ^B	418.00B	82.80

End post with 2 connecting clips

hot-dip galvanized	6.0 ^B	418.02	61.30
hot-dip galvanized and white coated	6.0 ^B	418.02B	76.50



Other color finishes possible; see page 7



Safety railings

are assembled from prefabricated parts on site. Hinge joints make the railings very flexible. The hinge joints can be positioned vertically and horizontally, up to 90°.



Fixed post for top bar For casting in concrete

steel tube Ø 60 mm, with aluminium ball head, total length: approx. 1500 mm

	Kg	Part-No.	Euro	hot-dip galvanized and coated (RAL 7016) Part-No.	Euro
end post for top bar	5.4 B	467.01	72.90	467.01B	88.20
middle post for top bar	5.4 B	467.02	91.40	467.02B	107.00
corner post for top bar	5.4 B	467.03	94.20	467.03B	110.00

Fixed post for top and quarter-bent bar For casting in concrete

end post for top and quarter-bent bar	5.4 B	467.11	91.40	467.11B	107.00
middle post for top and quarter-bent bar	5.4 B	467.12	127.00	467.12B	143.00
corner post for top and quarter-bent bar	5.4 B	467.13	136.00	467.13B	152.00

Fixed post for border railings

For casting in concrete

steel tube Ø 60 mm, with aluminium ball head
total length: approx. 800 mm

end post	2.9 B	467.04	66.60	467.04B	79.70
middle post	2.9 B	467.05	84.90	467.05B	98.00
corner post	2.9 B	467.06	87.90	467.06B	101.00

Cross bar for safety railing or border railing

steel tube Ø 33.7 mm, length: 2000 mm, including aluminium connecting sockets for straight horizontal position

	5.5 B	467.20	46.40	467.20B	58.80
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Aluminium joint

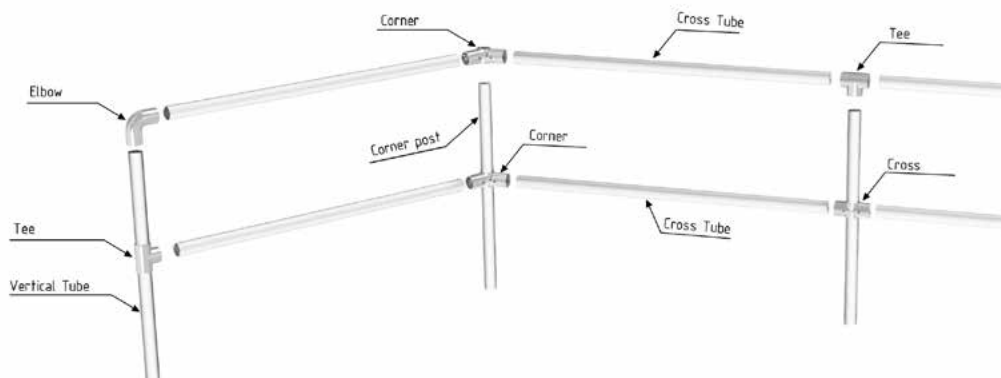
can be used up to 90°, for different slopes and angle positions

	0.5 B	467.24	47.40	467.24B	55.20
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Barrier posts

Security fencing at sport fields or other fencing where events are taking place.



Car-park barriers

Barrier
steel tube \varnothing 60 mm
hot-dip galvanized

Ornamental bollards



	Length	Kg	Part-No.	Euro
Vertical tube	1500 mm	4.3 B	419.10	27.20
Corner post	1500 mm	4.3 B	419.105	28.80
Cross tube	1500 mm	4.3 B	419.11	27.20
	2000 mm	5.8 B	419.12	31.30
	2500 mm	7.2 C	419.13	35.60
	3000 mm	8.6 C	419.14	41.40

Stainless steel



Aluminium-Elbow	0.3 A	419.18	13.70
Aluminium-Tee	0.3 A	419.19	13.10
Aluminium-Cross	0.2 A	419.09	14.20
2 half shells with 2 bolts and nuts			
Aluminium-Corner	0.4 A	419.08	15.00
2 half shells with 2 bolts and nuts			

Barrier elements

Safety fence

for safety in areas of danger, embankments, river courses, enclosures, etc.



418.35

Fence panel element

steel tube \varnothing 33.7 mm with \varnothing 16 mm rods and welded connecting clips
center spacing: 1500 mm, can be used approx. to 90°
height: 900 mm

	Kg	Part-No.	Euro
hot-dip galvanized	11.8 B	418.35	170.00
hot-dip galvanized and white coated	11.8 B	418.35B	216.00

Barrier gates

Outdoor equipment



418.42



418.44

Fixed post

steel tube \varnothing 60 mm
total length: approx. 1500 mm

End post with 2 connecting clips			
hot-dip galvanized	5.5 B	418.42	43.50
hot-dip galvanized and white coated	5.5 B	418.42B	57.00
Middle post with 4 connecting clips			
hot-dip galvanized	5.5 B	418.44	48.20
hot-dip galvanized and white coated	5.5 B	418.44B	61.80

Work site protection

Traffic safety fencing systems

for higher safety on public roads, separate traffic lanes, for personal safety and guidance system, etc. Easy assembly on site with prefabricated elements that can be exchanged without problem. Can be installed at all angles on slopes and inclines. Powder-coated in common RAL colors (see page 7).



With cover

With ball head

Fixed post

steel tube Ø 60 mm, fixed post for casting in concrete with ground anchor

	Length	Kg	Part-No.	Euro	hot-dip galvanized and white coated Part-No.	Euro
with cover	1500 mm	4.5 ^B	419.600	33.10	419.600B	43.70
with ball head	1500 mm	4.5 ^B	419.602	50.60	419.602B	61.20

Fixed post

steel tube Ø 60 mm, for plugging down with base plate 100 x 150 mm

with cover	1000 mm	4.5 ^A	419.601	40.20	419.601B	51.30
with ball head	1000 mm	4.5 ^A	419.603	59.50	419.603B	70.10

Cross bar

steel tube Ø 60 mm, including connection elements

grid sizes: 1130 mm	1000 mm	4.5 ^A	419.610	39.30	419.610B	50.60
grid sizes: 1630 mm	1500 mm	5.5 ^B	419.615	44.70	419.615B	55.90
grid sizes: 2130 mm	2000 mm	6.5 ^B	419.620	50.00	419.620B	67.10
grid sizes: 2630 mm	2500 mm	8.0 ^C	419.625	56.90	419.625B	76.30

Connection element

(loose) for traffic protection system (clip, splay, plastic plates, bolts and nuts)

		0.3 ^A	419.699	20.50	419.699B	25.40
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Other color finishes possible; see page 7



Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection


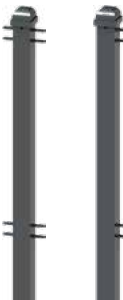
City fence

city fences for safety, perfect layout also for curved areas hinged clips.



Fixed post

70 x 70 mm square tube with steel cap hot-dip galvanized and coated DB 703 height above ground: 1000 mm for casting in concrete

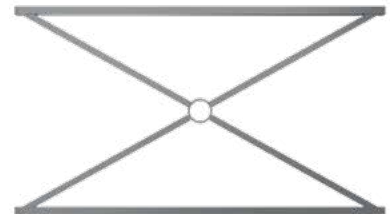
	Kg	With flat head			With ornamental head		
		Part-No.	Euro		Part-No.	Euro	
Middle post	7.9 ^A	418.7804B	81.60		418.7814B	95.10	
End post	7.9 ^A	418.7802B	73.00		418.7812B	86.50	

Fence element

horizontal steel tubes 30 x 30 mm
diagonal steel tubes 25 x 25 mm

Center spacing

1000 mm	7.2 ^B	418.710B	124.00
1500 mm	10.4 ^B	418.715B	136.00



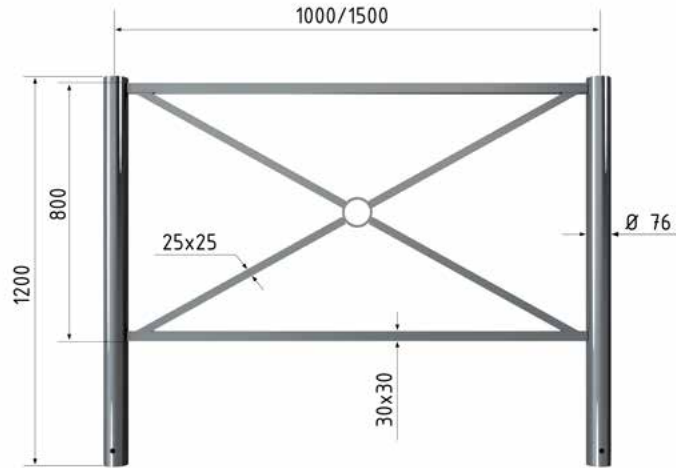
The fence panels are fastened to the vertical post; the design of the fastening permits different degree and angle positions.

Special color RAL 3004



City fence
for safety in town, perfect layout, unobtrusive

City fence element
vertical steel tubes \varnothing 76 mm
horizontal steel tubes 30 x 30 mm
diagonal steel tubes 25 x 25 mm
total height: 1200 mm
hot-dip galvanized and powder-coated DB703



	Length	Kg	Part-No.	Euro
with flat head	1000 mm	18.0 ^B	418.7040B	182.00
with flat head	1500 mm	21.0 ^B	418.7045B	195.00
with ball head	1000 mm	18.0 ^B	418.7440B	189.00
with ball head	1500 mm	21.0 ^B	418.7445B	200.00



Special color RAL 3004



Other color finishes possible; see page 7



Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection

Barrier posts

Safety barriers

a stable, attractive barrier to go with our post item no. 478B



Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection



Fixed post

steel tube Ø 76 mm, with ball head, hot-dip galvanized and coated RAL 7016, total length: approx. 1300 mm

	Kg	Part-No.	Euro
end post with 2 connecting clips	7.0 A	478.02B	115.00
middle post with 4 connecting clips	7.0 A	478.04B	118.00
ground rosette bolts	1.3 A	478RB	15.20



Frame element

steel tube Ø 33.7 mm, with welded-on connecting clips, center distance: 2000 mm (post center to post center), for use up to 90°

hot-dip galvanized and coated RAL 7016	8.0 B	478.20B	145.00
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Border railing with cross bar made of flat bar steel

approx. 500 mm above ground, hot-dip galvanized and coated green (RAL 6005). Easy assembly and setup.



Fixed post

steel tube Ø 60 mm, with ball head and socket, total length: approx. 800 mm

	Kg	Part-No.	Euro
end post	3.0 A	40673B	88.70
middle post	3.0 A	40674B	91.40
corner post	3.0 A	40675B	91.50



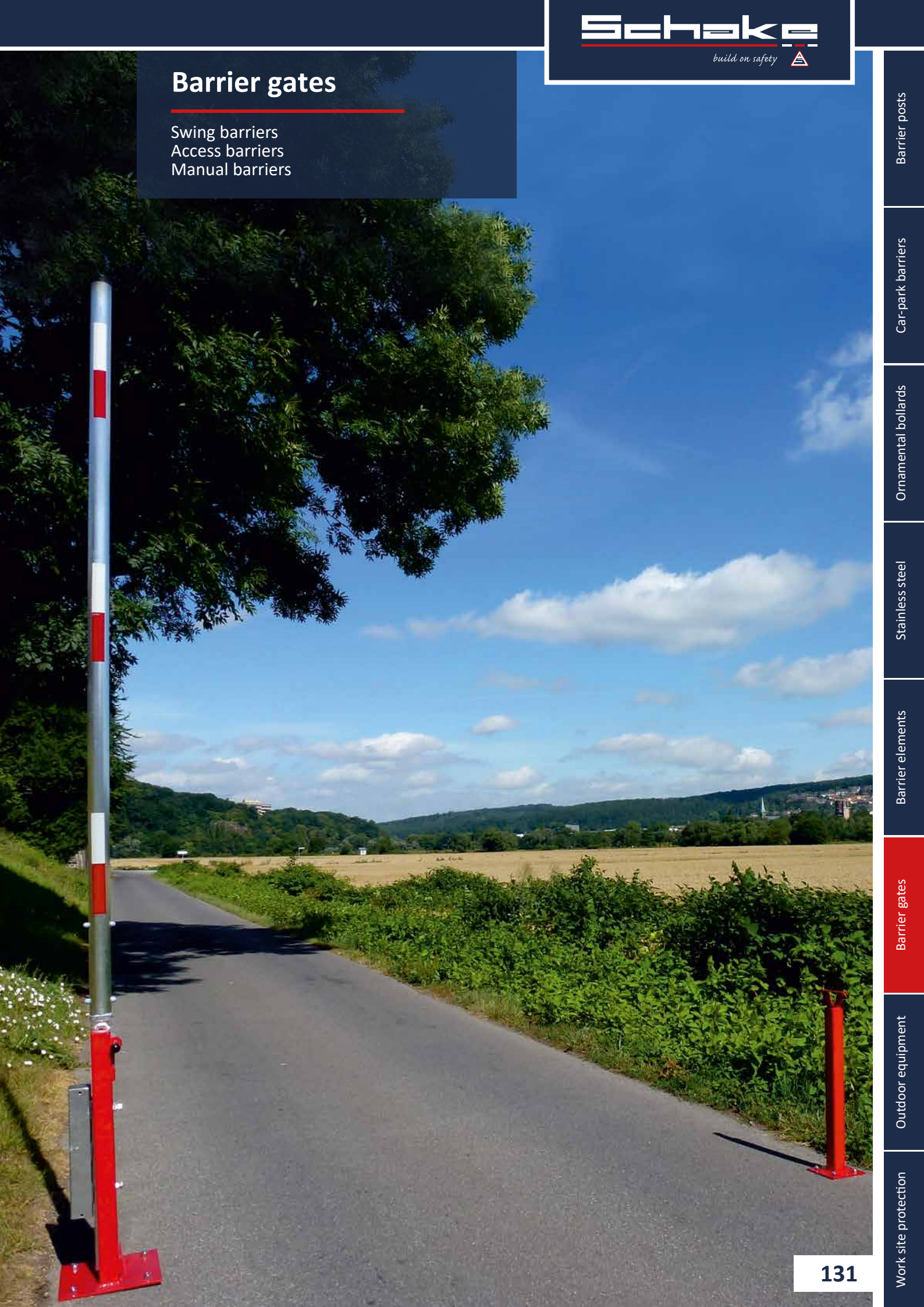
Flat bar steel 45 x 15 mm

hot-dip galvanized and coated

total length 1000 mm	5.5 A	40676B	38.50
total length 1500 mm	8.0 B	40677B	47.40
total length 2000 mm	10.5 B	40678B	56.80

Barrier gates

Swing barriers
Access barriers
Manual barriers



Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection

Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection

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. to DIN 3223 or Euro profile cylinder lock.

Swiveling post: steel tube \varnothing 102 mm
Barrier arm: steel tube \varnothing 60 mm
Height: approx. 950 mm above ground

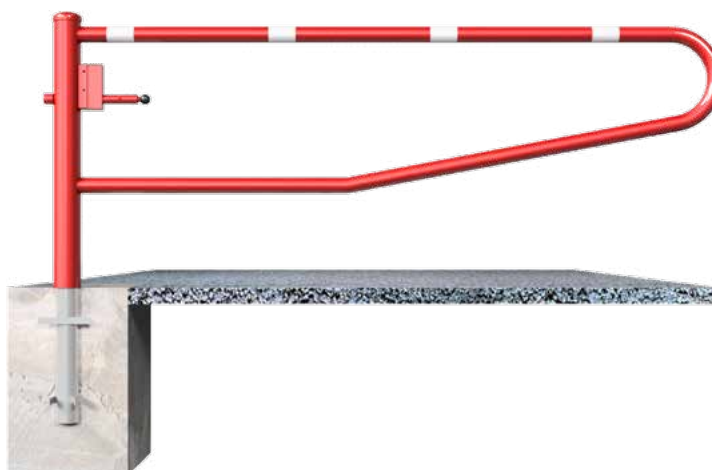


approx. 950 mm above ground

Total width	Kg	For padlock		With triangular lock		With Euro profile cylinder lock	
		Part-No.	Euro	Part-No.	Euro	Part-No.	Euro
1500 mm	33.0 ^B	413.151V	520.00	413.151F	620.00	413.151Z	680.00
2000 mm	36.5 ^B	413.201V	540.00	413.201F	640.00	413.201Z	700.00
2500 mm	40.0 ^C	413.251V	560.00	413.251F	660.00	413.251Z	720.00
3000 mm	43.5 ^C	413.301V	580.00	413.301F	680.00	413.301Z	740.00
3500 mm	47.0 ^C	413.351V	600.00	413.351F	700.00	413.351Z	760.00

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

Total width	Kg	For padlock		With triangular lock		With Euro profile cylinder lock	
		Part-No.	Euro	Part-No.	Euro	Part-No.	Euro
1500 mm	33.0 ^B	413.151VB	585.00	413.151FB	690.00	413.151ZB	735.00
2000 mm	36.5 ^B	413.201VB	605.00	413.201FB	710.00	413.201ZB	755.00
2500 mm	40.0 ^C	413.251VB	625.00	413.251FB	730.00	413.251ZB	775.00
3000 mm	43.5 ^C	413.301VB	645.00	413.301FB	750.00	413.301ZB	795.00
3500 mm	47.0 ^C	413.351VB	665.00	413.351FB	770.00	413.351ZB	815.00




Recommended foundation dimensions:
width: 550 x 550 mm
depth: 900 mm

Optionally available with:

Base plate for plugging down

360 x 360 x 8 mm including 4 holes \varnothing 21 mm
hole pitch 260 x 260 mm

add letter **P** to the part-no.

Additional costs: 40.00 Euro

Swing barrier with self-engaging lock

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 \varnothing 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	Kg	For padlock		With triangular lock		With Euro profile cylinder lock	
		Part-No.	Euro	Part-No.	Euro	Part-No.	Euro
1500 mm	33.0 ^B	4013.15V	495.00	4013.15F	595.00	4013.15Z	660.00
2000 mm	37.0 ^B	4013.20V	515.00	4013.20F	615.00	4013.20Z	680.00
2500 mm	41.0 ^C	4013.25V	535.00	4013.25F	635.00	4013.25Z	700.00
3000 mm	44.5 ^C	4013.30V	555.00	4013.30F	655.00	4013.30Z	720.00
3500 mm	48.0 ^C	4013.35V	575.00	4013.35F	675.00	4013.35Z	740.00

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

Total width	Kg	For padlock		With triangular lock		With Euro profile cylinder lock	
		Part-No.	Euro	Part-No.	Euro	Part-No.	Euro
1500 mm	33.0 ^B	4013.15VB	565.00	4013.15FB	670.00	4013.15ZB	715.00
2000 mm	37.0 ^B	4013.20VB	585.00	4013.20FB	690.00	4013.20ZB	735.00
2500 mm	41.0 ^C	4013.25VB	605.00	4013.25FB	710.00	4013.25ZB	755.00
3000 mm	44.5 ^C	4013.30VB	625.00	4013.30FB	730.00	4013.30ZB	775.00
3500 mm	48.0 ^C	4013.35VB	645.00	4013.35FB	750.00	4013.35ZB	795.00



Recommended foundation dimensions:
width: 550 x 550 mm
depth: 900 mm

Optionally available with:

Base plate for plugging down

360 x 360 x 8 mm including 4 holes \varnothing 21 mm
hole pitch 260 x 260 mm

add letter **P** to the part-no.
Additional costs: 40.00 Euro

Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection

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

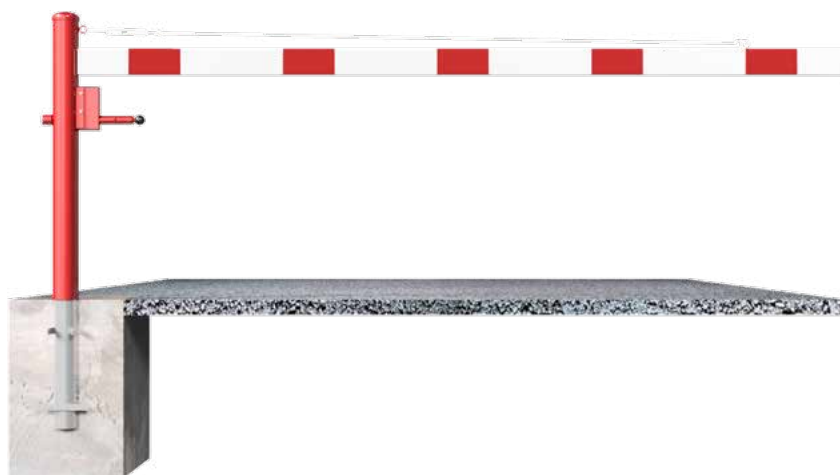
Barrier arm: aluminium tube 100 x 50 mm, coated white with red reflecting stripes

Height: approx. 950 mm above ground



For casting in concrete

Barrier arm length	Kg	For padlock		With triangular lock		With Euro profile cylinder lock	
		Part-No.	Euro	Part-No.	Euro	Part-No.	Euro
1500 mm	32.0 ^B	4113.15VB	550.00	4113.15FB	660.00	4113.15ZB	710.00
2000 mm	33.0 ^B	4113.20VB	570.00	4113.20FB	680.00	4113.20ZB	730.00
2500 mm	34.0 ^C	4113.25VB	590.00	4113.25FB	700.00	4113.25ZB	750.00
3000 mm	35.0 ^C	4113.30VB	610.00	4113.30FB	720.00	4113.30ZB	770.00
3500 mm	36.0 ^C	4113.35VB	630.00	4113.35FB	740.00	4113.35ZB	790.00




Recommended foundation dimensions:
width: 550 x 550 mm
depth: 900 mm



Optionally available with:

Base plate for plugging down

360 x 360 x 8 mm including 4 holes Ø 21 mm
hole pitch 260 x 260 mm

add letter **P** to the part-no.
Additional costs: 40.00 Euro

Swing barrier with support post

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 \varnothing 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 pieces)

Height: approx. 950 mm above ground



For casting in concrete

Barrier arm length

Kg

For padlock

Part-No.

Euro

With triangular lock

Part-No.

Euro

With Euro profile cylinder lock

Part-No.

Euro

3000 mm

58.0 c

4213.30VB

755.00

4213.30FB

810.00

4213.30ZB

880.00

3500 mm

60.0 c

4213.35VB

780.00

4213.35FB

835.00

4213.35ZB

905.00

4000 mm

62.0 p

4213.40VB

805.00

4213.40FB

860.00

4213.40ZB

930.00

4500 mm

64.0 p

4213.45VB

830.00

4213.45FB

885.00

4213.45ZB

955.00

5000 mm

66.0 p

4213.50VB

855.00

4213.50FB

910.00

4213.50ZB

980.00

5500 mm

68.0 p

4213.55VB

880.00

4213.55FB

935.00

4213.55ZB

1005.00

6000 mm

70.0 p

4213.60VB

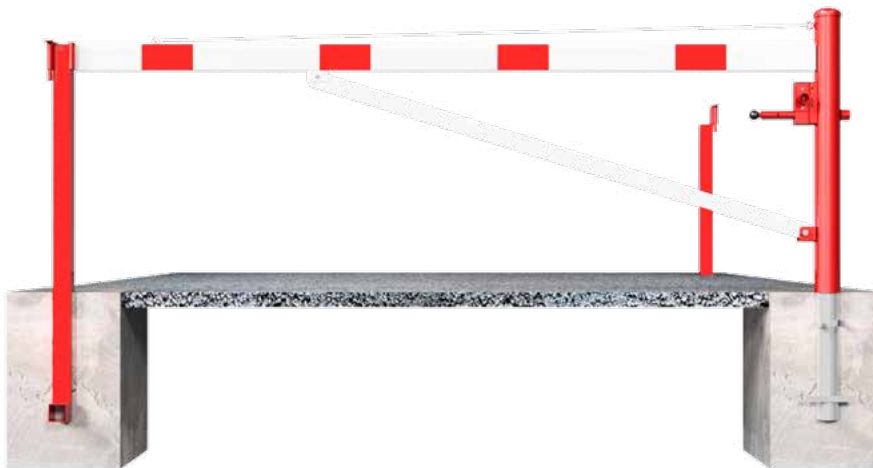
905.00

4213.60FB

960.00

4213.60ZB

1030.00



Recommended foundation dimensions:

Swiveling post

width: 550 x 550 mm
depth: 900 mm

Supporting post

width: 400 x 400 mm
depth: 900 mm

Optionally available with:

Base plate for plugging down

1 x swiveling post base plate 360 x 360 x 8 mm
incl. 4 holes \varnothing 21 mm, hole pitch 260 x 260 mm.

2 x base plates for supporting post 220 x 220 x 8 mm
incl. 4 holes \varnothing 21 mm, hole pitch 140 x 140 mm.

add letter **P** to part-no.

Additional costs: 80.00 Euro



Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection

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 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

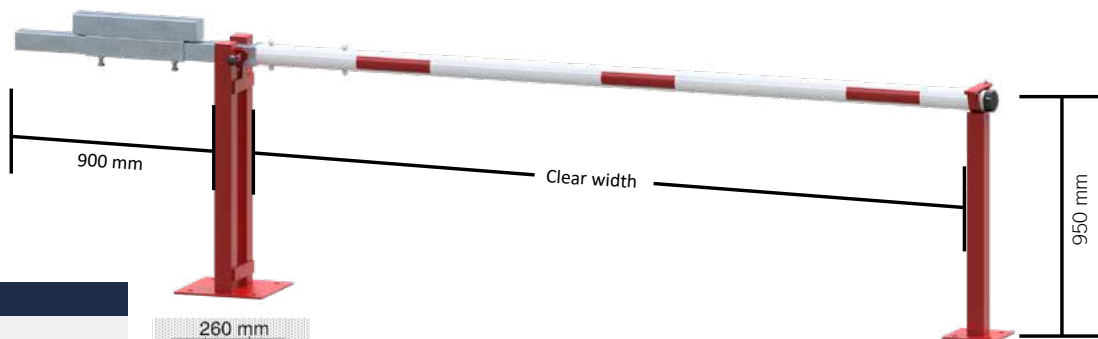



Clear width	Kg	For padlock		With triangular lock		With Euro profile cylinder lock	
		Part-No.	Euro	Part-No.	Euro	Part-No.	Euro
3000 mm	74.0 c	411.30VPB	815.00	411.30FPB	925.00	411.30ZPB	945.00
4000 mm	76.0 d	411.40VPB	865.00	411.40FPB	975.00	411.40ZPB	995.00
5000 mm	100.5 d	411.50VPB	915.00	411.50FPB	1025.00	411.50ZPB	1045.00
6000 mm	124.5 d	411.60VPB	975.00	411.60FPB	1085.00	411.60ZPB	1105.00
7000 mm	125.5 d	411.70VPB	1045.00	411.70FPB	1155.00	411.70ZPB	1175.00

	Kg	Part-No.	Euro
Set of mounting bolts type 3 to be fixed by plugs	0.4 A	470.73	45.90

	Kg	Part-No.	Euro
Set of ground sockets with ground anchor plate for main and supporting posts, for casting in concrete, hot-dip galvanized, including bolts M16	17.5 A	411.92	101.00

	Kg	Part-No.	Euro
Pull rope reinforcement	0.5 A	411.95	216.00

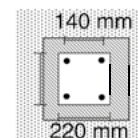
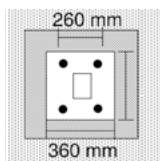




Recommended foundation dimensions:

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 \varnothing 20 mm for anchor,
hot-dip galvanized and powder-coated red

Barrier arm: thick-walled \varnothing 80 mm
aluminium tube with counterweight,
uncoated with white/red reflecting stripes

Swing post: 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

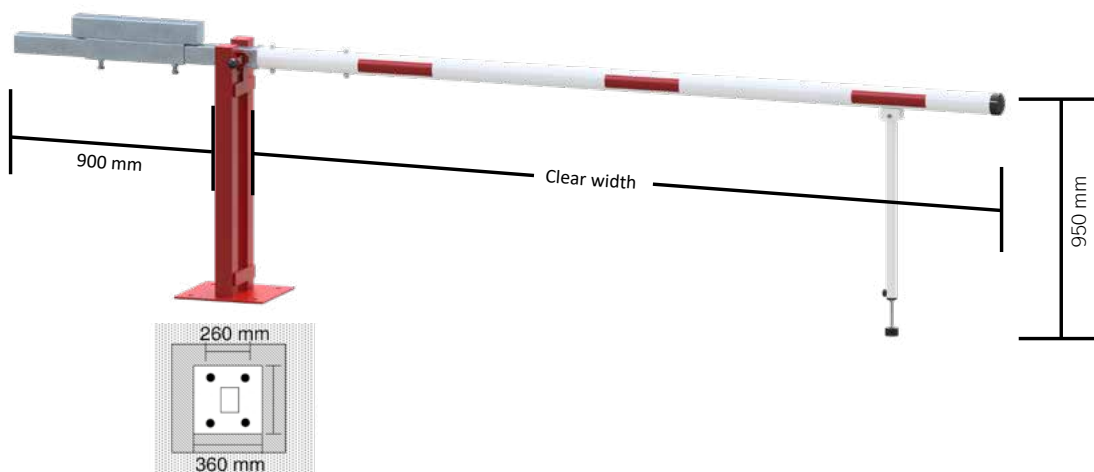


Clear width	Kg	For padlock		With triangular lock		With Euro profile cylinder lock	
		Part-No.	Euro	Part-No.	Euro	Part-No.	Euro
3000 mm	66.0 ^c	411.31VPB	815.00	411.31FPB	930.00	411.31ZPB	950.00
4000 mm	90.0 ^d	411.41VPB	865.00	411.41FPB	980.00	411.41ZPB	1000.00
5000 mm	114.0 ^d	411.51VPB	915.00	411.51FPB	1030.00	411.51ZPB	1050.00
6000 mm	117.0 ^d	411.61VPB	975.00	411.61FPB	1090.00	411.61ZPB	1110.00
7000 mm	140.0 ^d	411.71VPB	1045.00	411.71FPB	1160.00	411.71ZPB	1180.00

Set of mounting bolts type	Kg	Part-No.	Euro
to be fixed by plugs	0.2 ^A	470.72	23.20

Ground socket	Kg	Part-No.	Euro
with ground anchor plate for main support, for casting in concrete , hot-dip galvanized, including bolts M16	12.5 ^A	411.91	83.50

Pull rope reinforcement	0.5 ^A	411.95	216.00
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Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection

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	Kg	For padlock		With triangular lock		profile cylinder lock	
		Part-No.	Euro	Part-No.	Euro	Part-No.	Euro
3000 mm	48.5 ^c	415.30VPB	995.00	415.30FPB	1075.00	415.30ZPB	1105.00
4000 mm	51.5 ^d	415.40VPB	1045.00	415.40FPB	1125.00	415.40ZPB	1155.00
5000 mm	54.0 ^d	415.50VPB	1095.00	415.50FPB	1175.00	415.50ZPB	1205.00
6000 mm	57.0 ^d	415.60VPB	1155.00	415.60FPB	1235.00	415.60ZPB	1265.00
7000 mm	60.0 ^d	415.70VPB	1225.00	415.70FPB	1305.00	415.70ZPB	1335.00

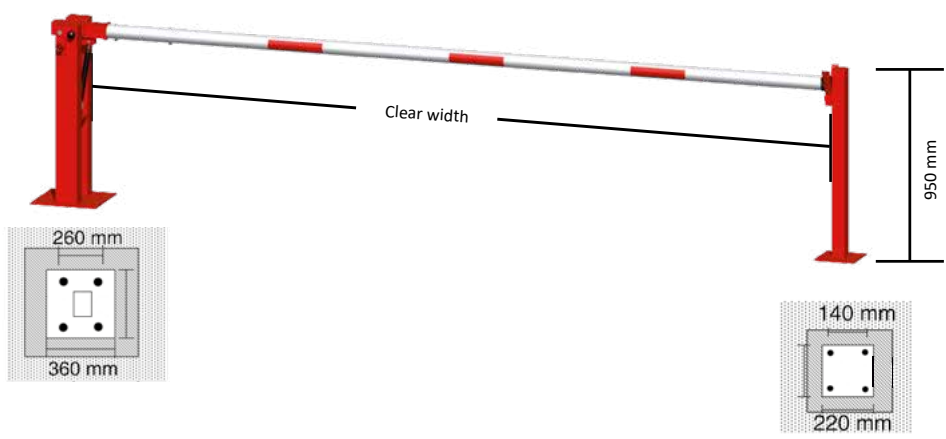
Clear width	Kg	Triangular locking mechanism and Euro profile cylinder lock at the main support		Double profile cylinder lock on the main support	
		Part-No.	Euro	Part-No.	Euro
3000 mm	54.0 ^c	415.30FZPB	1215.00	415.30ZZPB	1275.00
4000 mm	57.0 ^d	415.40FZPB	1265.00	415.40ZZPB	1325.00
5000 mm	60.0 ^d	415.50FZPB	1315.00	415.50ZZPB	1375.00
6000 mm	62.5 ^d	415.60FZPB	1375.00	415.60ZZPB	1435.00
7000 mm	64.0 ^d	415.70FZPB	1445.00	415.70ZZPB	1505.00

	Kg	Part-No.	Euro
Set of mounting bolts type 3 to be fixed by plugs	0.4 ^a	470.73	45.90

Set of ground sockets with ground anchor plate for main and supporting posts, for casting in concrete , hot-dip galvanized, including bolts M16	17.5 ^a	415.92	190.00
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Pull rope reinforcement	0.5 ^a	415.95	218.00
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Recommended foundation dimensions:
Main support
width 550 x 550 mm, depth 900 mm
Supporting post
width 400 x 400 mm, depth 900 mm



Manual barrier

with pneumatic spring and hinged 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 \varnothing 20 mm for anchor, hot-dip galvanized and powder-coated red, barrier arm can be fixed in open and closed position

Barrier arm: thick-walled \varnothing 80 mm aluminium tube, powder-coated with red reflecting stripes

Locking mechanism: at the main support

Total width: clear width + approx.180 mm



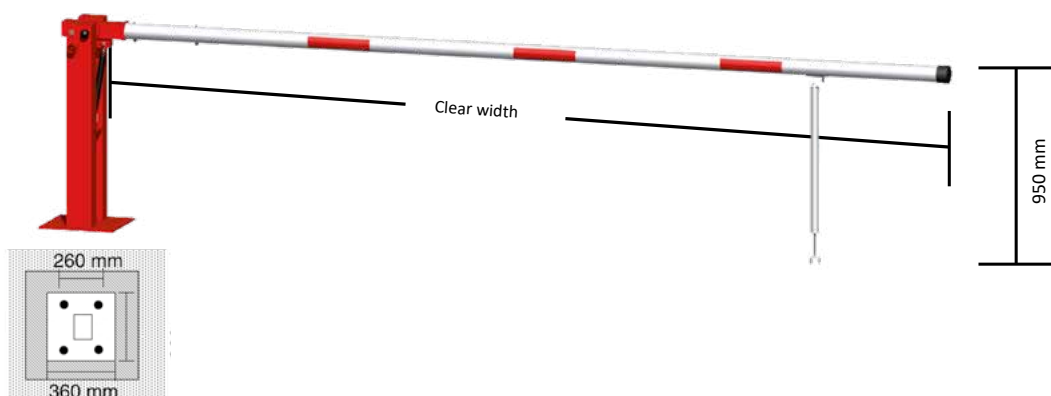
Clear width	Kg	For padlock		With triangular lock		profile cylinder lock	
		Part-No.	Euro	Part-No.	Euro	Part-No.	Euro
3000 mm	45.5 c	415.31VPB	1020.00	415.31FPB	1115.00	415.31ZPB	1125.00
4000 mm	48.0 D	415.41VPB	1070.00	415.41FPB	1165.00	415.41ZPB	1175.00
5000 mm	51.0 D	415.51VPB	1120.00	415.51FPB	1215.00	415.51ZPB	1225.00
6000 mm	52.0 D	415.61VPB	1180.00	415.61FPB	1275.00	415.61ZPB	1285.00
7000 mm	55.0 D	415.71VPB	1250.00	415.71FPB	1345.00	415.71ZPB	1355.00

Clear width	Kg	Triangular locking mechanism and Euro profile cylinder lock at the main support		Double profile cylinder lock on the main support	
		Part-No.	Euro	Part-No.	Euro
3000 mm	46.5 c	415.31FZPB	1250.00	415.31ZZPB	1310.00
4000 mm	49.5 D	415.41FZPB	1300.00	415.41ZZPB	1360.00
5000 mm	51.5 D	415.51FZPB	1350.00	415.51ZZPB	1410.00
6000 mm	54.5 D	415.61FZPB	1410.00	415.61ZZPB	1470.00
7000 mm	56.5 D	415.71FZPB	1480.00	415.71ZZPB	1540.00

Set of mounting bolts type 2 to be fixed by plugs	Kg	Part-No.	Euro
	0.2 A	470.72	23.20

Ground socket with ground anchor plate for main support, for casting in concrete, hot-dip galvanized, including bolts M16	Kg	Part-No.	Euro
	12.5 A	415.91	116.00

Euro profile cylinder lock with forced closing	Kg	Part-No.	Euro
Pull rope reinforcement	0.5 A	415.96	122.00
	2.5 A	415.95	218.00



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

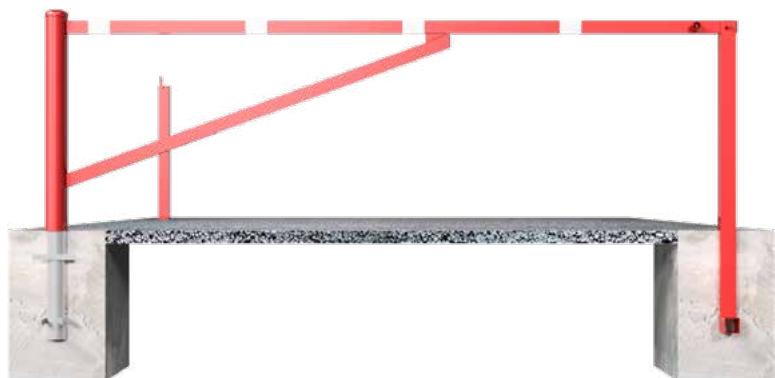
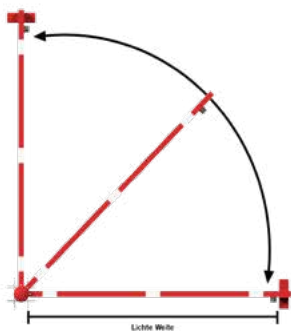


For casting in concrete, hot-dip galvanized

Clear width	Kg	For padlock		With triangular lock		With Euro profile cylinder lock	
		Part-No.	Euro	Part-No.	Euro	Part-No.	Euro
2500 mm	53.0 ^c	413.250V	630.00	413.250F	675.00	413.250Z	730.00
3000 mm	56.0 ^c	413.300V	655.00	413.300F	700.00	413.300Z	755.00
3500 mm	59.5 ^d	413.350V	680.00	413.350F	725.00	413.350Z	780.00
4000 mm	62.5 ^d	413.400V	705.00	413.400F	750.00	413.400Z	805.00
4500 mm	65.0 ^d	413.450V	730.00	413.450F	775.00	413.450Z	830.00

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

Clear width	Kg	For padlock		With triangular lock		With Euro profile cylinder lock	
		Part-No.	Euro	Part-No.	Euro	Part-No.	Euro
2500 mm	53.0 ^c	413.250VB	690.00	413.250FB	750.00	413.250ZB	815.00
3000 mm	56.0 ^c	413.300VB	715.00	413.300FB	775.00	413.300ZB	840.00
3500 mm	59.5 ^d	413.350VB	740.00	413.350FB	800.00	413.350ZB	865.00
4000 mm	62.5 ^d	413.400VB	765.00	413.400FB	825.00	413.400ZB	890.00
4500 mm	65.0 ^d	413.450VB	790.00	413.450FB	850.00	413.450ZB	915.00



Base plate for plugging down

1x Base plate swiveling post 360 x 360 x 8 mm
incl. 4 holes \varnothing 21 mm, hole pitch 260 x 260 mm.
2x Base plate supporting posts 220 x 220 x 8 mm
incl. 4 holes \varnothing 21 mm, hole pitch 140 x 140 mm

Add letter **P** to part no.
Additional costs: 80.00 Euro

Outdoor equipment

Scooter racks
Bicycle stands / lean-on hoops
Bollard luminaires
Laundry drying stands
Litter bins
Planters



Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection

Scooter - serial parking

with lockable rings for padlock, square tube
cross bar 40 x 40 mm, total width: 1500 mm
for 5 places, stand tube to be fixed by screws
height: approx. 500 mm above ground
hot-dip galvanized



	For casting in concrete	To be fixed by plugs	For wall mounting
Kg	13.0 ^A	13.0 ^A	11.0 ^A
Part-No.	421.92	421.94	421.96
Euro	196.00	213.00	158.00

Scooter - serial parking hoop

with lockable rings for padlock,
height: approx. 500 mm above ground,
hoop made of steel tube Ø 48 mm,
total width: 1500 mm for 5 places
total height: approx. 1000 mm above ground
hot-dip galvanized



	For casting in concrete	To be fixed by plugs
Kg	15.0 ^B	15.0 ^B
Part-No.	421.98	421.99
Euro	219.00	240.00



Individual stands

stand of \varnothing 12 mm round steel welded to vertical tube 40 x 40 mm height: approx. 500 mm above ground hot-dip galvanized



Individual stand for casting in concrete

one-side parking
two-side parking

	Kg	Part-No.	Euro
one-side parking	2.5 ^A	421.51	32.40
two-side parking	4.0 ^A	421.52	40.10



Individual stand for plugging down

plugging plate 100 x 150 mm, 4 holes \varnothing 10 mm

one-side parking
two-side parking

one-side parking	2.5 ^A	421.53	41.50
two-side parking	4.0 ^A	421.54	52.10



Individual stand for wall mounting

straight positioning 90°
angled positioning 45°

straight positioning 90°	1.5 ^A	421.55	25.50
angled positioning 45°	2.5 ^A	421.56	28.50

Individual stand

stable, easy bicycle rack

Individual stand for casting in concrete

stand of \varnothing 20 mm round steel, hot-dip galvanized

height approx. 530 mm above ground



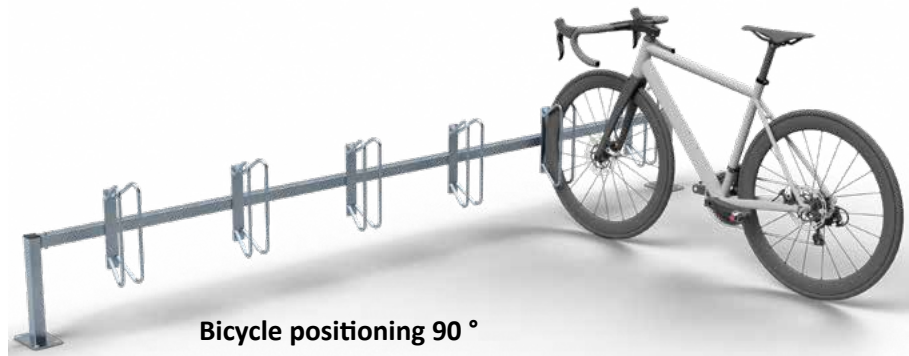
	Kg	Part-No.	Euro
height approx. 530 mm above ground	4.0 ^A	421.60	32.70

Bicycle rack – serial parking

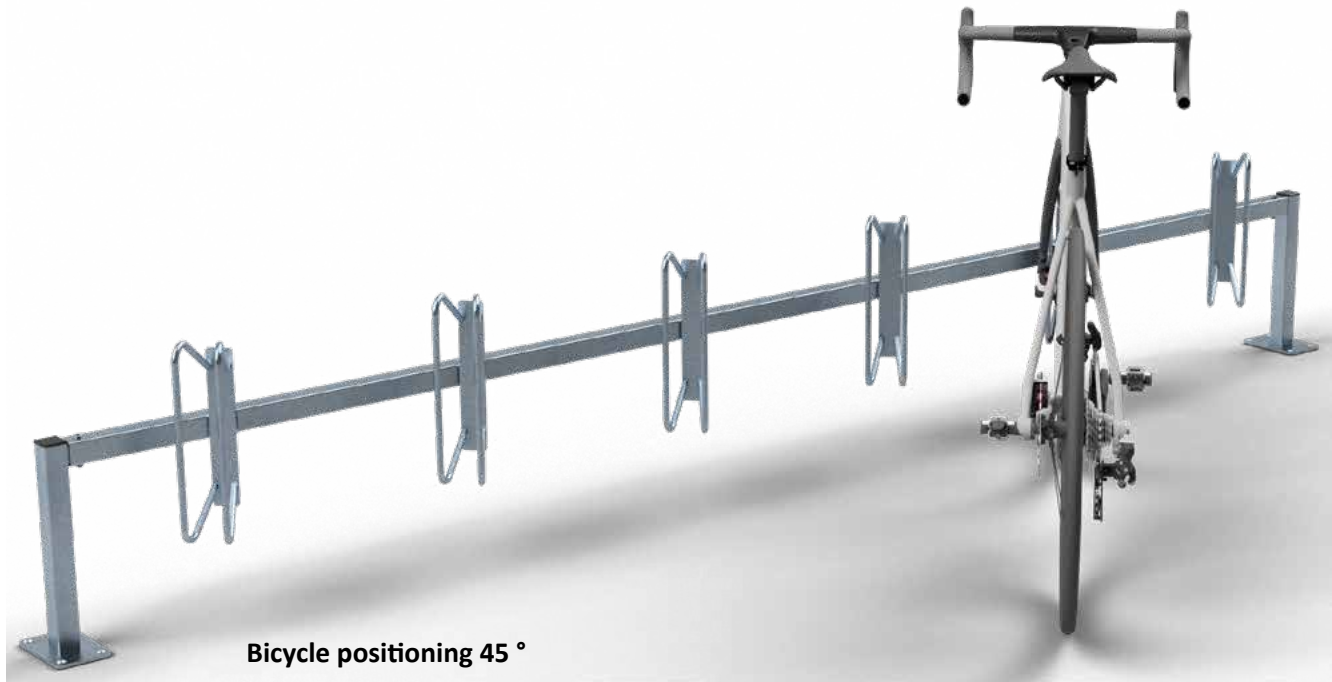
Sturdy and weatherproof

parking rack made of \varnothing 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 positioning 90 °



Bicycle positioning 45 °

Model	Stand-alone construction for casting in concrete		Stand-alone construction for plugging down		Wall brackets for plugging down	
	Straight 90°	Left or right 45°	Straight 90°	Left or right 45°	Straight 90°	Left or right 45°
Element length	3000		3000		3000	
Total length with vertical tube approx. mm	3100 One-side		3100 One-side		3100 One-side	
Bicycle positioning	Straight 90°	Left or right 45°	Straight 90°	Left or right 45°	Straight 90°	Left or right 45°
Number of spaces	6	6	6	6	6	6
Spacing mm	500	500	500	500	500	500
Depth of stand approx. mm	2000	1600	2000	1600	2000	1600
Kg	21.0 c	21.0 c	20.0 c	20.0 c	18.0 c	18.0 c
Part-No.	421.02	421.03	421.04	421.05	421.16	421.17
Euro	209.00	219.00	218.00	230.00	165.00	177.00

A visually appealing bicycle stand, easy to set up:

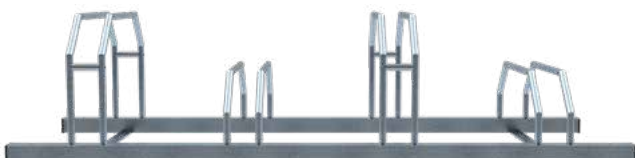
- simple installation
- double-sided use possible
- durable due to hot-dip galvanizing and optional coating



Bicycle stand for row installation:

- frame made of square tube
- hoop 19 mm round tube
- height: approx. 330 mm, alternating high / low position
- Bicycle tire width up to 55 mm

	Kg	galvanized		hot-dip galvanised, coated RAL 9005	
		Part-No.	Euro	Part-No.	Euro
2 parking spaces	7,0 ^B	421.20	64.00	421.20B	104.00
3 parking spaces	9.5 ^B	421.30	121.00	421.30B	201.00
4 parking spaces	12.0 ^B	421.40	152.90	421.40B	232.00



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 parking rack

- frame of angular section
- hoop 19 mm round tube
- height: approx. 510 mm
- alternating high and low racks
- bicycle wheel width up to 55 mm
- low rack one side: approx. 500 mm
- two-side depth: approx. 600 mm



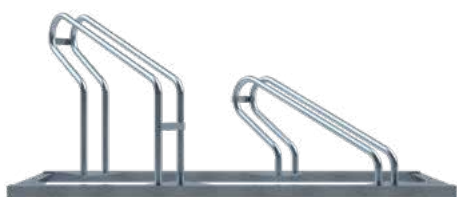
One-sided rack, hot-dip galvanized
space between bicycles 350 mm

	Length	Kg	Part-No.	Euro
2 Bicycles	700 mm	9.5 B	420.20	62.70
3 Bicycles	1050 mm	10.5 B	420.30	85.10
4 Bicycles	1400 mm	14.5 B	420.40	117.00
5 Bicycles	1750 mm	16.5 B	420.50	138.00
6 Bicycles	2100 mm	20.0 B	420.60	165.00



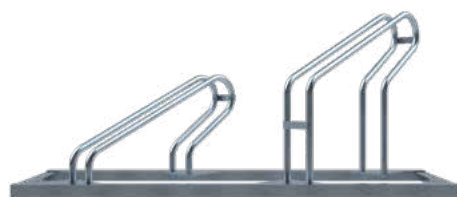
Two-sided rack, hot-dip galvanized

2 x 3 Bicycles	1050 mm	16.0 B	420.32	152.00
2 x 5 Bicycles	1750 mm	26.0 B	420.52	241.00
2 x 6 Bicycles	2100 mm	32.0 B	420.62	290.00



One-sided rack 45° left, hot-dip galvanized

	Length	Kg	Part-No.	Euro
2 Bicycles	1130 mm	10.0 B	420.20-45L	87.70
3 Bicycles	1695 mm	14.5 B	420.30-45L	110.10
4 Bicycles	2260 mm	19.5 B	420.40-45L	169.60



One-sided rack 45° right, hot-dip galvanized

	Length	Kg	Part-No.	Euro
2 Bicycles	1130 mm	10.0 B	420.20-45R	87.70
3 Bicycles	1695 mm	14.5 B	420.30-45R	110.10
4 Bicycles	2260 mm	19.5 B	420.40-45R	169.60

Bicycle stand with lean-on hoop

frame of angular section
 hoop \varnothing 19 mm round tube, high and low rack bicycle wheel width up to 55 mm
 Lean-on hoop \varnothing 26.9 mm round tube with reinforced side and eyelet, hoop with plastic coating
 height: approx. 850 mm
 depth: approx. 950 mm

One-sided rack, hot-dip galvanized

with lean-on hoop, space between bicycles 350 mm

	Length	Kg	Part-No.	Euro
2 Bicycles	700 mm	15.0 ^B	420.20H	198.00
4 Bicycles	1400 mm	30.0 ^B	420.40H	388.00
6 Bicycles	2100 mm	45.0 ^B	420.60H	579.00

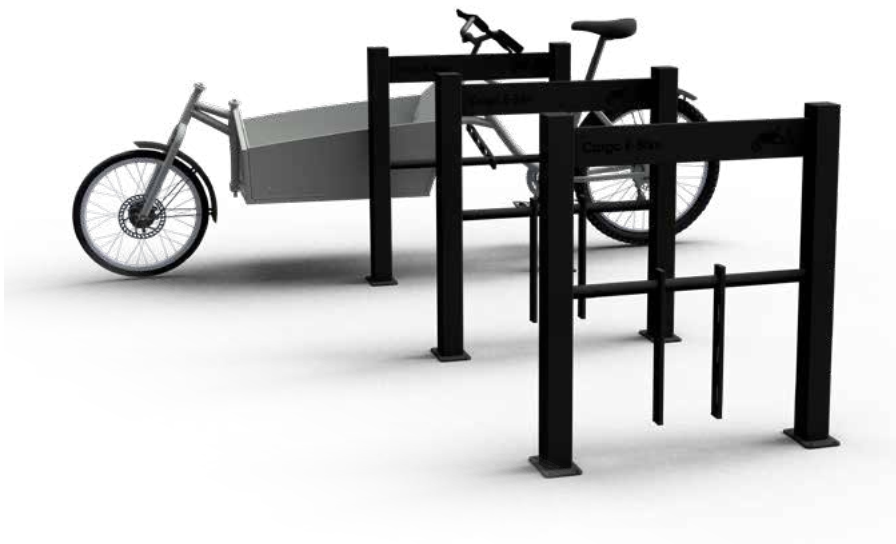


Figure: 2 racks 420.20H

Cargo-Bike lean-on hoop

for dowelling with swivelling holding devices to secure the bicycles (cargo bikes)
 secure the bicycles (cargo bikes) with lasered logo,
 hot-dip galvanised, coated RAL 9005

Length	Kg	Part-No.	Euro
800 mm	16.0 ^B	4021.20B	195.00



Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection

Lean-on hoop for bicycles

rack made of square tube 80 x 80 mm with hoops to be screwed on, made of square tube 60 x 40 mm, with base plates, for plugging down hot-dip galvanized

total height: approx. 950 mm
hoop spacing: approx. 700 mm



depth (bicycle positioning 90°): approx. 1500 mm



Angle of mounting these hoops at your choice. If mounted lean-on hoop in an angle of 45° to the rack, the depth reduces to approx. 1100 mm

	2 Bicycles	3 Bicycles	4 Bicycles
Total length:	1400 mm	2100 mm	2800 mm
Part-No.	4022.20	4022.30	4022.40
Kg	41.0 ^B	53.5 ^B	66.0 ^C
Euro	424.00	590.00	850.00

Lean-on hoop for bicycles

consisting of 3 lean-on hoops, made of steel tube Ø 48 mm, welded on flat steel 100 x 8 mm, length: 1800 mm, with bores for plugging down

total width: approx. 700 mm
hoop spacing: approx. 600 mm
height: approx. 700 mm

	Kg	Part-No.	Euro
hot-dip galvanized	38.5 ^B	422.30	303.00



Bicycle parking rack with guide rails for screwing on hoops

height: 800 mm
hoop spacing: 700 mm
hot-dip galvanized



Total length:	2 Bicycles 1400 mm	3 Bicycles 2100 mm	4 Bicycles 2800 mm
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Hoop of steel tube Ø 48 mm
width: 800 mm

Part-No.	423.20	423.30	423.40
Kg	22.5 ^B	34.0 ^B	45.0 ^C
Euro	218.00	321.00	404.00



Hoop of steel tube 60 x 60 mm
width: 800 mm

Part-No.	424.20	424.30	424.40
Kg	26.5 ^B	40.0 ^B	53.5 ^C
Euro	312.00	487.00	600.00



Hoop of flat steel 50 x 12 mm
width: 800 mm

Part-No.	425.20	425.30	425.40
Kg	32.5 ^B	49.0 ^B	65.0 ^C
Euro	340.00	520.00	635.00



Round hoop of steel tube Ø 48 mm
width: 460 mm

Part-No.	426.20	426.30	426.40
Kg	20.5 ^B	30.5 ^B	40.5 ^C
Euro	221.00	342.00	412.00

Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection

With this lean-on hoop you will create an exceptional added value for your customers. You offer a practical securing of the bike and the E-bikes can be charged during your stay with their own charger.



E-bike lean-on hoop

Lean-on hoop made of hot-dip galvanized and powder-coated steel square tube including IP 67 output socket 230V with protective cover.

3 row system

- bicycle stand as row system
- with rail system for steel tube lean-on hoops (60 x 60 mm) to be screwed on,
- height: 800 mm
- width: 800 mm
- space between bicycles: 700 mm
- hot-dip galvanized and black coated



	Kg	Part-No.	Euro
without lockable loading boxes	40.0 ^B	424.30BE	780.00
with 3 lockable loading boxes	40.0 ^B	424.30BEL	845.00



Optional highlight:

with practical lockable charging box for all common E-Bike chargers simply lockable by chain lock, spiral cable lock, etc.; blue coated

E-bike lean-on hoop

Lean-on hoop made of hot-dip galvanized and powder-coated steel square tube including IP 54 output socket 230V with protective cover.



Single hoop

E-bike lean-on hoop with charging station including IP 54 output socket 230V, with protective cover, with lockable charging box, as single hoop made of square tube 100x100mm / 60x60mm width: 800mm total height: 800mm, with base plates for plugging down, hot-dip galvanized and black coated



	Kg	Part-No.	Euro
without lockable loading box	15.5 ^B	454.080PBE	302.00
with lockable loading box	15.5 ^B	454.080PBEL	326.00



Matching accessories for this product:

Plug lock

Part-No.	Euro
454S	35.00

- Protection against energy theft
- With two keys
- Easy mounting



Available in many color variants

Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection

Advertising medium and customer service combined! Customize your exclusive bicycle rack with your advertisement stickers on the free advertising space or order an individual advertising sign



Mobile bicycle rack with advertising panel

Optionally with charging station for electric bikes
Including fixing devices to ensure the stability of the bikes, with transport wheels.
Tire widths 6 x up to 55 mm, 3 x up to 45 mm, galvanised, coated in RAL 9005



Kg	Part-No.	Euro
32.0 ^B	420.80B	390.00
40.0 ^B	420.80BE	480.00
2.0 ^A	4W.80	95.00

Basic model without plugs
Model E with 3 x IP54 sockets, 2x scooter charger holder
Advertising sign 1230 x 254 mm printed individually according to your printable file

Mobile scooter rack with display panel

optionally with scooter charging station
6 galvanised parking spaces
coated in RAL 9005



Kg	Part-No.	Euro
32.0 ^B	420.90B	340.00
40.0 ^B	420.90BE	430.00
2.0 ^A	4W.80	95.00

Basic model without plugs
Model E with 3 x IP54 sockets, 2x scooter charger holder
Advertising sign 1230 x 254 mm printed individually according to your printable file

Bicycle racks

Stylish, universally applicable
This bicycle rack can be used as a
lean-on or as a bicycle parker

Bicycle racks

made of square tube 80 x 20 x 2 mm
height: 800 mm
width: 95 mm



Single parking space, to be fixed by plugs
with base plate 150 x 150 mm

	Kg	Part-No.	Euro
hot-dip galvanised	7.0 ^A	458.95P	121.00
coated with DB 703	7.0 ^A	458.95PB	141.00

Bicycle racks

square tube 80 x 80 mm
height: 800 mm

Single parking space, to be fixed by plugs
with base plate 150 x 150 mm
with side arches made of round tube Ø 60 mm

	Kg	Part-No.	Euro
hot-dip galvanised	11.5 ^A	40880	121.00
hot-dip galvanised and matt black coated	11.5 ^A	40880B	141.00

Single parking space, to be fixed by plugs
with base plate 150 x 150 mm
with side brackets in square tube 60 x 60 mm

	Kg	Part-No.	Euro
hot-dip galvanised	11.5 ^A	40881	122.00
hot-dip galvanised and matt black coated	11.5 ^A	40881B	136.00



Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection



Lean-on hoop
easy and safe bicycle rack



Lean-on hoop stand for casting in concrete,
steel tube \varnothing 42 mm, hot-dip galvanized

stand opening approx. 170 mm
total width approx. 250 mm
total length approx. 1600 mm
total height approx. 800 mm

Kg	Part-No.	Euro
9.0 ^B	422.01	96.10

Bicycle lean-on hoop
steel tube \varnothing 48 mm
total width: approx. 1400 mm
height above ground: approx. 850 mm



For casting in concrete
hot-dip galvanized
hot-dip galvanized and coated DB 703

Kg	Part-No.	Euro
9.0 ^B	422.50	133.00
9.0 ^B	422.50B	159.00

For plugging down, with base plate
 \varnothing 150 mm and three \varnothing 14 mm holes
Lean-on hoops removable
hot-dip galvanized
hot-dip galvanized and coated DB 703

8.0 ^B	422.51	147.00
8.0 ^B	422.51B	173.00

Bicycle lean-on hoops

Easy parking of bicycles, theft proof locking, simple installation, high stability

Bicycle lean-on hoop

steel tube \varnothing 60 x 2.5 mm
with cross tubes \varnothing 42 x 2.5 mm
total width: 800 mm
total height: 1300 mm



With flat head, for casting in concrete

	Kg	Part-No.	Euro
hot-dip galvanized	12.8 ^B	422.60	116.00
hot-dip galvanized and coated DB 703	12.8 ^B	422.60B	142.00

With ball head, for casting in concrete

hot-dip galvanized	13.2 ^B	422.61	147.00
hot-dip galvanized and coated DB 703	13.2 ^B	422.61B	180.00

Lean-on hoop, for casting in concrete

can be used on both sides
vertical steel tubes \varnothing 60 mm
tubular frame \varnothing 48 mm
total length: approx. 1425 mm
height above ground: approx. 900 mm
completely welded

hot-dip galvanized	19.1 ^B	422.10	144.00
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Also available with:

Base plate 100 x 150 mm
(The total height changes to 800 mm)

Add the letter **P** to the part-no.
Additional costs: 25.00 Euro

Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection

Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection

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



Square tube 80 x 20 mm

Without cross bar



Total width	Kg	hot-dip galvanized		hot-dip galvanized and coated DB 703	
		Part-No.	Euro	Part-No.	Euro
450 mm	8.5 ^A	458.045	112.00	458.045B	132.00
750 mm	9.5 ^B	458.075	117.00	458.075B	136.00
1000 mm	10.0 ^B	458.100	122.00	458.100B	143.00

With cross bar



450 mm	10.0 ^A	459.045	132.00	459.045B	153.00
750 mm	11.5 ^B	459.075	140.00	459.075B	161.00
1000 mm	13.0 ^B	459.100	150.00	459.100B	173.00

With cross bar (small distance)



450 mm	10.0 ^A	459.145	132.00	459.145B	153.00
750 mm	11.5 ^B	459.175	140.00	459.175B	161.00
1000 mm	13.0 ^B	459.110	150.00	459.110B	173.00

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



Square tube 60 x 60 mm

Without cross bar

Total width	Kg	hot-dip galvanized		hot-dip galvanized and coated DB 703	
		Part-No.	Euro	Part-No.	Euro
450 mm	10.0 ^A	454.045	106.00	454.045B	125.00
750 mm	11.0 ^B	454.075	110.00	454.075B	129.00
1000 mm	11.5 ^B	454.100	115.00	454.100B	135.00



With cross bar

450 mm	11.0 ^A	455.045	125.00	455.045B	144.00
750 mm	13.0 ^B	455.075	133.00	455.075B	153.00
1000 mm	15.0 ^B	455.100	143.00	455.100B	165.00



Square tube 60 x 40 mm

Without cross bar

450 mm	10.0 ^A	456.045	105.00	456.045B	125.00
750 mm	11.5 ^B	456.075	110.00	456.075B	129.00
1000 mm	12.5 ^B	456.100	115.00	456.100B	135.00



With cross bar

450 mm	12.0 ^A	457.045	124.00	457.045B	144.00
750 mm	14.0 ^B	457.075	133.00	457.075B	153.00
1000 mm	16.0 ^B	457.100	143.00	457.100B	165.00

Also available with:

Base plate 100 x 150 mm
(The total height changes to 800 mm)

Add the letter **P** to the part-no.
Additional costs: 25.00 Euro

Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection

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



Flat bar steel 50 x 12 mm

Without cross bar

Total width	Kg	hot-dip galvanized		hot-dip galvanized and coated DB 703	
		Part-No.	Euro	Part-No.	Euro
450 mm	13.0 ^A	450.045	109.00	450.045B	129.00
750 mm	14.5 ^B	450.075	114.00	450.075B	133.00
1000 mm	16.0 ^B	450.100	118.00	450.100B	138.00



With cross bar

450 mm	15.0 ^A	451.045	128.00	451.045B	149.00
750 mm	18.0 ^B	451.075	137.00	451.075B	158.00
1000 mm	20.5 ^B	451.100	150.00	451.100B	170.00



Flat bar steel 80 x 12 mm

Without cross bar

450 mm	21.0 ^A	452.045	145.00	452.045B	164.00
750 mm	23.5 ^B	452.075	151.00	452.075B	170.00
1000 mm	25.5 ^B	452.100	158.00	452.100B	179.00



With cross bar

450 mm	24.5 ^A	453.045	168.00	453.045B	189.00
750 mm	29.0 ^B	453.075	182.00	453.075B	203.00
1000 mm	33.0 ^B	453.100	196.00	453.100B	218.00

Lean-on hoop of flat bar steel curved layout

for casting in concrete hot-dip galvanized and optionally powder-coated in DB 703 over all height: approx. 1200 mm



Flat bar steel 50 x 12 mm

Without cross bar

Total width	Kg	hot-dip galvanized		hot-dip galvanized and coated DB 703	
		Part-No.	Euro	Part-No.	Euro
750 mm	14.5 B	4050.075	106.00	4050.075B	125.00
1000 mm	16.0 B	4050.100	111.00	4050.100B	132.00



With cross bar

750 mm	18.0 B	4051.075	129.00	4051.075B	150.00
1000 mm	20.5 B	4051.100	141.00	4051.100B	162.00



Flat bar steel 80 x 12 mm

Without cross bar

750 mm	23.0 B	4052.075	145.00	4052.075B	164.00
1000 mm	25.0 B	4052.100	153.00	4052.100B	173.00



With cross bar

750 mm	29.0 B	4053.075	177.00	4053.075B	197.00
1000 mm	33.0 B	4053.100	190.00	4053.100B	213.00

Also available with:

Base plate 100 x 150 mm
(The total height changes to 800 mm)

Add the letter **P** to the part-no.
Additional costs: 25.00 Euro

Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection

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

with joist made of
Flat steel 30 x 5 mm



Flat steel 80 x 12 mm
Without cross bar, for casting in concrete



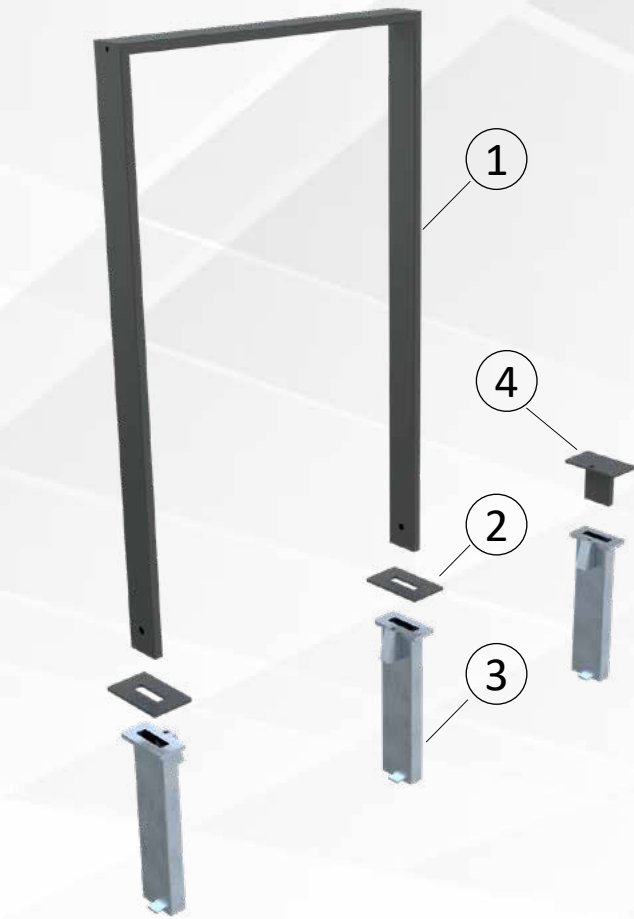
Total width	Kg	hot-dip galvanized		hot-dip galvanized and coated DB 703	
		Part-No.	Euro	Part-No.	Euro
450 mm	21.0 ^A	4152.045	161.00	4152.045B	180.00
750 mm	23.5 ^B	4152.075	168.00	4152.075B	187.00
1000 mm	25.5 ^B	4152.100	174.00	4152.100B	195.00



Total width	Kg	hot-dip galvanized		hot-dip galvanized and coated DB 703	
		Part-No.	Euro	Part-No.	Euro
500 mm	8.0 ^A	447.09	58.70	447.09B	83.40
700 mm	8.5 ^B	447.11	62.60	447.11B	87.00
1000 mm	9.5 ^B	447.12	66.50	447.12B	92.30
1200 mm	10.0 ^B	447.13	68.70	447.13B	95.60



Total width	Kg	hot-dip galvanized		hot-dip galvanized and coated DB 703	
		Part-No.	Euro	Part-No.	Euro
500 mm	9.0 ^A	447.19	78.40	447.19B	115.00
700 mm	10.0 ^B	447.21	82.40	447.21B	119.00
1000 mm	13.0 ^B	447.22	89.10	447.22B	128.00
1200 mm	14.0 ^B	447.23	93.40	447.23B	133.00



Lean-on hoops removable

1. lean-on hoops for bicycles Series 450/452/458
2. ground rosette
3. ground socket with clamp
4. cover



Ground socket with locking mechanism for square tubes

for lean-on hoops of flat bar steel and square tube
total length: approx. 400 mm, hot-dip galvanized



for 50x12 mm / 50x10 mm square tube
for 80x12 mm / 80x10 mm square tube
for 80x20 mm square tube

Kg	Part-No.	Euro
3.4 ^A	450.41	54.00
3.4 ^A	452.41	58.00
3.4 ^A	458.41	62.00

Rosettes



for 50x12 mm / 50x10 mm square tube
for 80x12 mm / 80x10 mm square tube
for 80x20 mm square tube

Kg	hot-dip galvanized		hot-dip galvanized and coated DB 703	
	Part-No.	Euro	Part-No.	Euro
0.7 ^A	450R	11.00	450RB	13.50
0.7 ^A	452R	12.00	452RB	14.50
0.7 ^A	458R	13.00	458RB	15.50

Cover



for 50x12 mm / 50x10 mm square tube
for 80x12 mm / 80x10 mm square tube
for 80x20 mm square tube

Kg	hot-dip galvanized		hot-dip galvanized and coated DB 703	
	Part-No.	Euro	Part-No.	Euro
1.2 ^A	450.20	15.00	450.20B	18.50
1.2 ^A	452.20	16.00	452.20B	19.50
1.2 ^A	458.20	17.00	458.20B	20.50

Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection

Bollard luminaires

Bollard luminaires allow squares and paths to be clearly defined. Matching our large range of bollards, this robust bollard luminaire made of tubular steel is the perfect complement, to set highlights in the surroundings.

Bollard light

Tubular steel Ø 152mm, total height 1000 mm, hot-dip galvanised, powder-coated

Fixing: for dowelling

Voltage: 230V AC 50Hz, power: 12W,

light output: 1050 lm, colour temperature: 4,000 K

Light colour: white

Beam angle: 180

Protection class: IP 54

Weight: approx. 16.0 kg



40156EBKS



40156EBMR



40156EBKD

Color:	Part-No.	Kg	Euro	Part-No.	Kg	Euro
	clear			satin		
black structured	40156EBKS	16.0 ^A	420.00	40156EBMS	16.0	420.00
rusty optic	40156EBKR	16.0 ^A	420.00	40156EBMR	16.0	420.00
anthracite DB703	40156EBKD	16.0 ^A	420.00	40156EBMD	16.0	420.00

On request:

Bollard light incl. socket insert

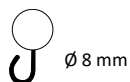


Laundry drying stands in different shapes.



Laundry drying stand consisting of:

2 fixed posts with ground anchor, total height: 2500 mm, cross tube with welded, bent hooks, hot-dip galvanized, spacing approx. 500 mm, 2 T-connectors, 2-part with bolt M10, 2 plastic cap



Laundry drying stand Y-shape, made of steel tube Ø 60 mm

cross tube with 8 round pins Ø 10 x 40 mm
total width: 1500 mm
total height: 2500 mm
with ground anchor, hot-dip galvanized

Kg	Part-No.	Euro
18.5	419.400	163.00

Laundry drying stand T-shape, steel tube Ø 60 mm

cross tube with 8 round pins Ø 10 x 40 mm
total width: 1500 mm
t-connector, 2-part with bolt M10
total height: 2500 mm
with ground anchor, hot-dip galvanized

Kg	Part-No.	Euro
14.0	419.450	142.00

	Kg	Steel tube Ø 48 mm Part-No.	Euro	Steel tube Ø 60 mm Part-No.	Euro
cross tube 2500 mm					
5 hooks, one-sided	23.5	419.4425	154.00	419.4625	159.00
without hooks	22.0	419.4525	131.00	419.4725	122.00
cross tube 3000 mm					
6 hooks, one-sided	26.0	419.4430	161.00	419.4630	168.00
without hooks	23.5	419.4530	136.00	419.4730	142.00
cross tube 3500 mm					
7 hooks, one-sided	27.5	419.4435	168.00	419.4635	174.00
without hooks	25.0	419.4535	144.00	419.4735	147.00
cross tube 4000 mm					
8 hooks, one-sided	29.0	419.4440	171.00	419.4640	173.00
without hooks	26.5	419.4540	150.00	419.4740	153.00

Extra charge for additional hooks

	Part-No.	Euro
each bent hook, pc.	419.460	3.50

Litter bins for fixing on walls or posts



Litter bin, kidney shape

wire, height approx. 430 mm, content approx. 27 l, Ø approx. 210 x 400 mm, complete with rail bracket and square wrench part-no. 4037

hot-dip galvanized
fixed to post Ø 60 x 1300 mm

Kg	Part-No.	Euro
3.2 ^A	4027	119.00
8.2 ^A	4127	156.00



Litter bin, oval

content approx. 45 l, complete with bracket and wrench height approx. 600 mm, depth 260 mm, width 410 mm, lockable bottom flap for emptying, optional „nice guy“ sticker

hot-dip galvanized
fixed to post Ø 60 x 1300 mm

8.5 ^A	4029	205.00
13.5 ^A	4129	242.00

hot-dip galvanized and coated RAL 6005
fixed to post Ø 60 x 1300 mm

8.5 ^A	4029B	225.00
13.5 ^A	4129B	260.00



Litter bin approx. 35 l

with bracket and wrench, height 450 mm, Ø 320 mm

hot-dip galvanized
fixed to post Ø 60 x 1300 mm

6.0 ^A	4030	134.00
9.5 ^A	4130	162.00

hot-dip galvanized and coated DB 703
fixed to post Ø 60 x 1300 mm

6.0 ^A	4030B	154.00
9.5 ^A	4130B	185.00



Litter bin approx. 40 l, with ashtray

including bracket and wrench, height approx. 530 mm, width 340 mm, depth 380 mm, two side openings, lockable bottom flap for emptying

hot-dip galvanized
fixed to post Ø 60 x 1300 mm

9.0 ^A	4024	207.00
15.0 ^A	4124	246.00

hot-dip galvanized and coated DB 703
fixed to post Ø 60 x 1300 mm

9.0 ^A	4024B	225.00
15.0 ^A	4124B	270.00



Free-standing litter bin, approx. 50 l

with lid, Ø 360 mm, height 500 mm, with mounting post 60 x 60 x 1500 mm and triangular wrench (without inside container)

hot-dip galvanized, without insert container
hot-dip galvanized, with insert container

18.0 ^B	4034	352.00
21.2 ^B	4234	416.00

hot-dip galvanized and coated DB 703, without insert container
hot-dip galvanized and coated DB 703, with insert container

18,0 ^B	4034B	374.00
21.2 ^B	4234B	438.00

Inside container

for part-no. 4034, Ø 330 mm, height 440 mm

hot-dip galvanized

3.2 ^A	4034E	64.00
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Litter bins for fixing on walls or posts



Square litter bin with cover

no perforation, content approx. 40 l, complete with brackets and wrench container size: 440 x 310 x 310 mm

hot-dip galvanized
fixed to post Ø 60 x 1300 mm

Kg	Part-No.	Euro
15.0 ^A	4036	219.00
18.0 ^A	4136	255.00

hot-dip galvanized and coated RAL 6005
fixed to post Ø 60 x 1300 mm

15.0 ^A	4036B	242.00
18.0 ^A	4136B	284.00



Square litter bin with cover

no perforation, content approx.40 l, including ashtray, complete with bracket and wrench, container size: 440 x 310 x 310 mm

hot-dip galvanized
fixed to post Ø 60 x 1300 mm

13.5 ^A	4035	320.00
18.0 ^A	4135	357.00

hot-dip galvanized and coated RAL 6005
fixed to post Ø 60 x 1300 mm

13.5 ^A	4035B	340.00
18.5 ^A	4135B	377.00



Round ashtray for fixing on walls or posts

with bracket, wrench and sticker, content approx. 4 l, Ø 200 mm, height 135 mm

hot-dip galvanized with perforated bottom for water drainage
fixed to post Ø 60 x 1300 mm

3.0 ^A	4066	147.00
8.0 ^A	4166	188.00

hot-dip galvanized and coated DB 703
fixed to post Ø 60 x 1300 mm

3.0 ^A	4066B	161.00
8.0 ^A	4166B	204.00



Round ashtray with cover for fixing on walls or posts

with bracket, wrench and sticker, content approx. 4 l Ø 200 mm, height 290 mm

hot-dip galvanized with perforated bottom for water drainage
fixed to post Ø 60 x 1300 mm

4.5 ^A	4067	172.00
9.5 ^A	4167	210.00

hot-dip galvanized and coated DB 703
fixed to post Ø 60 x 1300 mm

4.5 ^A	4067B	186.00
9.5 ^A	4167B	230.00



Square wrench 6 mm

for litter bin part-no. 4027

0.2 ^A	4037	4.20
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Triangular socket wrench 8 mm

0.2 ^A	4038	4.95
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Triangular wrench 8 mm

0.1 ^A	4039	4.10
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„Nice guy“ sticker, black

translucent / black

^A	4021	4.45
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„Nice guy“ sticker, white

translucent / white

^A	4022	4.45
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Universal fastening tape (1 unit = 2 pieces)

each bin requires 2 tapes, galvanized

^A	4023	13.50
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Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection

Planters

for more attractive downtown areas, in front of buildings, on parking lots or sidewalks.

Planters

vertical round tubes \varnothing 60 mm
horizontal steel tube 30 x 30 mm
with side sheet steel and bottom plate
hot-dip galvanized and coated DB 703

outside dimension: 640 x 640 mm
inside dimension: 520 x 520 mm
depth: 500 mm (container)
height: with ball head 680 mm
with flat head 600 mm



	Kg	Part-No.	Euro
with ball head	55.0 ^B	4025.10B	730.00
with flat head	55.0 ^B	4025.20B	720.00

Planters

vertical round tubes \varnothing 76 mm
with side sheet steel and bottom plate
hot-dip galvanized and coated DB 703

outside dimension: 880 x 880 mm
inside dimension: 700 x 700 mm
depth: 500 mm (container)
height: with ball head 680 mm



	Kg	Part-No.	Euro
	67.0 ^B	4025.70PB	960.00



Work site protection

- Barrier posts
- Chain posts / accessories
- Protective hoops
- Protective railings
- Crash guards
- Warning and protection profiles



Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection

Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection

Barrier posts

steel tube \varnothing 60, \varnothing 76 mm
with welded steel cap, approx. 900 mm
above ground, hot-dip galvanized and
yellow coated with black stripes

Stationary, for casting in concrete

with ground anchor

hot-dip galvanized and coated yellow
with three black stripes

Diameter in mm

Kg

Part-No.
Euro



\varnothing 60

4.9 ^A

460BG
37.60



\varnothing 76

7.0 ^A

476BG
51.40



Stationary, to be fixed by plugs

with base plate 100 x 150 mm
total length: 900 mm

hot-dip galvanized and coated yellow
with three black stripes

Diameter in mm

Kg

Part-No.
Euro



\varnothing 60

4.0 ^A

460PBG
43.10



\varnothing 76

5.1 ^A

476PBG
61.20

Set of mounting bolts type 1

Part-No.
Euro

470.71
6.10



Barrier posts

steel tube \varnothing 89, 70 x 70 mm
with welded steel cap, approx. 900 mm
above ground, hot-dip galvanized and
yellow coated with black stripes

Stationary, for casting in concrete

with ground anchor

hot-dip galvanized and coated yellow
with three black stripes

Diameter in mm

Kg

Part-No.
Euro



\varnothing 89

8.8 ^A

489BG
79.70



70 x 70

7.2 ^A

470BG
59.50



Stationary, to be fixed by plugs

with base plate 100 x 150 mm
total length: 900 mm

hot-dip galvanized and coated yellow
with three black stripes

Diameter in mm

Kg

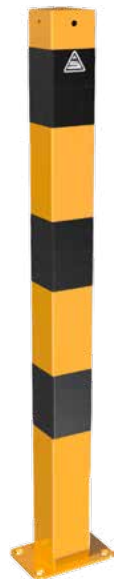
Part-No.
Euro



\varnothing 89

6.7 ^A

489PBG
92.10



70 x 70

5.6 ^A

470PBG
65.80

Set of mounting bolts type 1

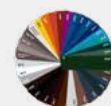
Part-No.
Euro

470.71
6.10



Also available in white / red
see Barrier Posts pages 12 ff.

Other color finishes possible;
see page 7



Barrier posts

Barrier posts

steel tube \varnothing 76, \varnothing 89, 70 x 70 mm with welded steel cap, approx. 1000 mm above ground hot-dip galvanized and coated yellow, with black stripes

Car-park barriers



Ornamental bollards

Crash-proof – tiltable!

Stainless steel



Barrier elements



Barrier gates

Stationary, sides tiltable
with base plate 220 x 220 mm for plugging down, without cover

Diameter in mm	\varnothing 76	\varnothing 89	70 x 70 mm
Kg	8.9 ^A	10.2 ^A	9.5 ^A
Part-No.	476NPBG	489NPBG	470NPBG
Euro	115.00	135.00	120.00
	Part-No.	477.10BG	
	Euro	42.20	
	Part-No.	470.72	
	Euro	23.20	

hot-dip galvanized and coated yellow with three black stripes

Cover \varnothing 200 mm
for barrier post, tiltable



Set of mounting bolts type 2



Outdoor equipment

Work site protection

Barrier posts

steel tube \varnothing 76, \varnothing 89, 70 x 70 mm
with welded steel cap, approx. 1000 mm
above ground hot-dip galvanized and
coated yellow, with black stripes



Removable!



476APBG



470APBG

Detachable, removable, fixed by plugs

with base plate 150 x 180 mm
locked by hexagon socket screw

hot-dip galvanized and coated yellow
with three black stripes

Set of mounting bolts type 1



Diameter in mm

\varnothing 76

\varnothing 89

70 x 70 mm

Kg

6.8 ^A

8.0 ^A

7.2 ^A

**Part-No.
Euro**

476APBG
126.00

489APBG
145.00

470APBG
131.00

**Part-No.
Euro**

470.71
6.10



40151BG

Steel tube bollards \varnothing 152 x 3.2 mm with welded steel cap

Stationary, for casting in concrete

	Total length in mm	1200	1500	2000
hot-dip galvanized	Kg	13.3 ^A	16.5 ^B	21.9 ^B
	Part-No.	40150	40151	40152
	Euro	106.00	119.00	144.00
hot-dip galvanized and coated yellow with three black stripes	Part-No.	40150BG	40151BG	40152BG
	Euro	129.00	144.00	167.00

Removable caps for filling bollards with concrete



Steel cap, bolted

Replaces welded steel cap

Add letter **L** to the Part-No.**Additional costs:** 26.00 Euro

Steel cap with concrete anchor

Replaces welded steel cap

Add letter **A** to the Part-No.**Additional costs:** 5.00 Euro

40153BG

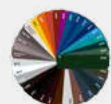
Steel tube bollards \varnothing 152 x 3.2 mm with welded steel cap

For plugging down, with base plate 220 x 220 mm

	Total length in mm	1000
hot-dip galvanized	Kg	13.9 ^A
	Part-No.	40153
	Euro	126.00
hot-dip galvanized and coated yellow with three black stripes	Part-No.	40153BG
	Euro	151.00



Also available in white/red, see barrier posts pages 24 ff

Other color finishes possible;
see page 7



40151HBG

Steel tube bollards Ø 152 x 3.2 mm

with welded steel cap, including ground socket part-no. 40151.10 approx. 500 mm above ground

hot-dip galvanized

hot-dip galvanized and coated yellow with three black stripes

Removable without locking mechanism

Total length in mm	1500	2000
Kg	26.0 ^B	32.0 ^B
Part-No.	40151H	40152H
Euro	173.00	199.00
Part-No.	40151HBG	40152HBG
Euro	198.00	221.00



40151FBG

Steel tube bollards Ø 152 x 3.2 mm

with welded steel cap, height above ground 1000 mm incl. ground socket part-no. 470.10 approx. 500 mm above ground

hot-dip galvanized

hot-dip galvanized and coated yellow with three black stripes

Removable, with triangular locking mechanism

Kg	20.1 ^B
Part-No.	40151F
Euro	221.00
Part-No.	40151FBG
Euro	250.00



40153NPBG

Flexible, tiltable Steel tube bollards Ø 152 x 3.2 mm
with welded steel cap

hot-dip galvanized

hot-dip galvanized and coated yellow with three black stripes

For plugging down, with base plate 360 x 360 mm

Total length in mm	1000
Kg	23.0 ^A
Part-No.	40153NP
Euro	206.00
Part-No.	40153NPBG
Euro	231.00



Suitable mounting material for this product: set of mounting bolts type 2

Part-No.	Euro
470.72	23.20

Further accessories pages 49

These heavy bollards can be used as crash guard, particularly in front of entrances, halls, gas stations, etc. They can also protect roof overhangs or serve as guiding bollards in front of ramps, gates, etc.



40191BG



40193BG

Steel tube bollards \varnothing 193 x 3.6 mm
with welded steel cap

Stationary, for casting in concrete

hot-dip galvanized

hot-dip galvanized and coated yellow
with three black stripes

Total length in mm	1200	1500	2000
Kg	20.9 ^A	26.0 ^B	34.4 ^B
Part-No.	40190	40191	40192
Euro	168.00	191.00	236.00
Part-No.	40190BG	40191BG	40192BG
Euro	192.00	223.00	276.00

Removable caps for filling bollards with concrete



Steel cap, bolted

Replaces welded steel cap

Add letter **L** to the Part-No.

Additional costs: 26.00 Euro



Steel cap with concrete anchor

Replaces welded steel cap

Add letter **A** to the Part-No.

Additional costs: 5.00 Euro

Steel tube bollards \varnothing 193 x 3.6 mm
with welded steel cap

For plugging down, with base plate 360 x 360 mm

hot-dip galvanized

hot-dip galvanized and coated yellow
with three black stripes

Total length in mm	1000
Kg	23.6 ^A
Part-No.	40193
Euro	218.00
Part-No.	40193BG
Euro	248.00



Suitable mounting material for this product:
set of mounting bolts type 2

Part-No. Euro
470.72 23.20

Further accessories see page 49

Steel tube bollards removable
for temporary detach



40191HBG

Steel tube bollards \varnothing 193 x 3.6 mm

with welded steel cap,
incl. ground socket part-no. 40191.10
approx. 500 mm above ground

hot-dip galvanized

hot-dip galvanized and coated yellow
with three black stripes

Removable without locking mechanism

Total length in mm **1500** **2000**

Kg 38.0 ^B 50.0 ^B

Part-No. 40191H 40192H

Euro 266.00 314.00

Part-No. 40191HBG 40192HBG

Euro 296.00 352.00

Steel tube bollards \varnothing 193 x 3.6 mm

with welded steel cap.
height above ground: 1000 mm
incl. ground socket part-no. 470.10
approx. 500 mm above ground

hot-dip galvanized

hot-dip galvanized and coated yellow
with three black stripes

Removable, with triangular locking mechanism

Kg 27.6 ^B

Part-No. 40191F


Euro 308.00


Part-No. 40191FBG

Euro 349.00

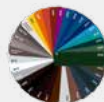


40191FBG





Also available in white/red, see barrier posts page 26



Other color finishes possible;
see page 7



40271



40273BG



Steel tube bollards \varnothing 273 x 5.0 mm with welded steel cap

Stationary, for casting in concrete

	Total length in mm	1500	2000
hot-dip galvanized	Kg	51.1 ^B	67.6 ^B
	Part-No.	40271	40272
	Euro	406.00	510.00
hot-dip galvanized and coated yellow with three black stripes	Part-No	40271BG	40272BG
	Euro	462.00	575.00

Removable caps for filling bollards with concrete



Steel cap with concrete anchor
Replaces welded steel cap

Add letter **A** to the Part-No.
Additional costs: 5.00 Euro

Steel tube bollards \varnothing 273 x 5.0 mm with welded steel cap

For plugging down, with base plate 360 x 360 mm

	Total length in mm	1500
hot-dip galvanized	Kg	58.9 ^B
	Part-No.	40273
	Euro	491.00
hot-dip galvanized and coated yellow with three black stripes	Part-No.	40273BG
	Euro	550.00



Suitable mounting material for this product:
set of mounting bolts type 2

Part-No. Euro
470.72 23.20

Further accessories see page 49

Steel tube bollards Ø 323 mm

These heavy bollards can be used as crash guard, particularly in front of entrances, halls, gas stations, etc. They can also protect roof overhangs or serve as guiding bollards in front of ramps, gates, etc.



40321BG

Steel tube bollards Ø 323 x 5.0 mm with welded steel cap

Stationary, for casting in concrete

	Total length in mm	1500	2000	2400
hot-dip galvanized	Kg	60.0 ^B	80.5 ^B	96.0 ^B
	Part-No.	40321	40322	40324
	Euro	570.00	700.00	780.00
hot-dip galvanized and coated yellow with three black stripes	Part-No.	40321BG	40322BG	40324BG
	Euro	635.00	765.00	855.00

Removable caps for filling bollards with concrete



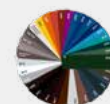
Steel cap with concrete anchor
Replaces welded steel cap

Add letter **A** to the Part-No.
Additional costs: 5.00 Euro



Also available in white/red, see barrier posts page 26

Other color finishes possible; see page 7



Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection



Steel tube bollards Ø 152 x 3.2 mm
with welded steel cap,
tiltable

Stationary, for plugging down

hot-dip galvanized

Total length in mm **1000** **1500**

Kg 30.0 ^A 35.3 ^B

Part-No. 401530N 401535N

Euro 401.00 423.00

hot-dip galvanized and coated yellow
with three black stripes

Part-No. 401530NBG 401535NBG

Euro 424.00 447.00



401530NBG

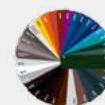


For protecting buildings and to
minimize damages on cars



Also available in white/red, see barrier posts page 30

Other color finishes possible;
see page 7





Truck entry aid, angled

made of \varnothing 152.4 mm round tube,
total length: approx. 3000 mm,
for plugging down

	Kg	Part-No.	Euro
hot-dip galvanized			
left side	49.0 ^c	40157L	655.00
right side	49.0 ^c	40157R	655.00
hot-dip galvanized and white coated with red reflecting stripes			
left side	49.0 ^c	40157LB	775.00
right side	49.0 ^c	40157RB	775.00
hot-dip galvanized and yellow coated with black stripes			
left side	49.0 ^c	40157LBG	775.00
right side	49.0 ^c	40157RBG	775.00

Truck entry aid, straight

can also be used as extension element
made of \varnothing 152.4 mm round tube,
total length: approx. 3600 mm,
for plugging down

	Kg	Part-No.	Euro
hot-dip galvanized			
	54.0 ^c	40157G	520.00
hot-dip galvanized and white coated with red reflecting stripes			
	54.0 ^c	40157GB	610.00
hot-dip galvanized and yellow coated with black stripes			
	54.0 ^c	40157GBG	610.00



**Barrier chain of steel, unwelded**

wire thickness 6 mm, packing unit 10 m

hot-dip galvanized
galvanized and yellow / black coated

Kg/m	Part-No.	Euro/m
0.6 ^A	430.66	4.55
0.6 ^A	430.67B	7.60

**Barrier chain of steel, unwelded**

wire thickness 7 mm, packing unit 10 m

hot-dip galvanized
galvanized and yellow / black coated

Kg/m	Part-No.	Euro/m
0.9 ^A	430.10	5.75
0.9 ^A	430.20B	9.35

**S hook**

galvanized
galvanized and yellow coated
galvanized and black coated

Part-No.	Euro
430.11	0.70
430.11BG	1.05
430.11BS	1.05

**Connection link**

galvanized
galvanized and yellow coated
galvanized and black coated

Part-No.	Euro
430.09	0.55
430.09BG	1.05
430.09BS	1.05

**Shackle**

galvanized
galvanized and yellow coated
galvanized and black coated

Part-No.	Euro
430.12	2.60
430.12BG	3.50
430.12BS	3.50

**Plastic barrier chain**

packing unit 25 m

6 mm, yellow / black
8 mm, yellow / black

Kg/m	Part-No.	Euro/m
2.0 ^A	430.06	1.35
2.5 ^A	430.30	2.75

**Plastic connection link**

yellow, 6 mm
black, 6 mm

yellow, 8 mm
black, 8 mm

Part-No.	Euro
430.07G	0.95
430.07S	0.95
430.16G	1.30
430.16S	1.30

**Plastic hook link**

yellow, 6 mm
black, 6 mm

yellow, 8 mm
black, 8 mm

Part-No.	Euro
430.08G	1.05
430.08S	1.05
430.17G	1.50
430.17S	1.50



For further chains and accessories see pages 50-51

Movable chain post as temporary barrier, with high stability for quick setup, can be used outdoors or indoors. Post easy to separate from foot. Simple installation and space-saving storage.



460KBS

Chain post, heavy

of 60 mm round tube with welded steel cap and eyelets for attaching the chain, height 900 mm, hot-dip galvanized and yellow coated with three black stripes, with foot plate of recycled material 400 x 400 x 100 mm, removable

Kg	Part-No.	Euro
15.0 ^A	460KBS	56.00



4040KBS

Plastic chain post

light-weight chain post of plastic material for quick barrier installation, including triangular plastic foot, side length 300 mm, filled with concrete. Plastic tube Ø 40 mm, height 900 mm, with 4 chain holders integrated in the cap

yellow / black

3.0 ^A	4040KBS	24.30
------------------	---------	-------



4041KBS

Plastic chain post

with foot Ø 300 mm filled by customer. Plastic tube Ø 40 mm, height 900 mm, with 4 chain holders integrated in the cap

yellow / black

2.0 ^A	4041KBS	24.30
------------------	---------	-------



Chain post set

version: 6 plastic posts Ø 40 mm, with 4 chain holders integrated in the cap, 10 m plastic chain, 10 connecting links

with concrete-filled triangular plastic feet, side length: 300 mm
yellow / black

20.0 ^A	4040KBSSET	161.00
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with feet Ø 300 mm for filling by customer
yellow / black

14.0 ^A	4041KBSSET	161.00
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Also available in red/white and in white/red; see barrier posts / barrier chains page 45

Barrier posts

Safety and protection for danger areas (entrances, ramps, separations, etc.) hot-dip galvanized, powder coated yellow with black warning stripes



Car-park barriers

Ornamental bollards

Protective hoop with cross bar
Round steel tube \varnothing 48 x 2.5 mm



Stainless steel

Total width	Height above ground	Kg	For casting in concrete		For plugging down	
			Part-No.	Euro	Part-No.	Euro
1000 mm	1000 mm	12.5	448.32BG B	118.00	448.62BG B	125.00
1500 mm	1000 mm	15.5	448.33BG B	137.00	448.63BG B	141.00
2000 mm	1000 mm	18.5	448.34BG B	154.00	448.64BG B	159.00

Barrier elements

Protective hoop with cross bar
Round steel tube \varnothing 60 x 2.5 mm



Barrier gates

1000 mm	1000 mm	15.5	465.32BG B	129.00	465.62BG B	156.00
1500 mm	1000 mm	19.5	465.33BG B	150.00	465.63BG B	183.00
2000 mm	1000 mm	23.0	465.34BG B	173.00	465.64BG B	201.00

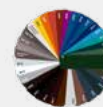
Outdoor equipment

Work site protection



Also available in hot-dip galvanized !
See barrier elements pages 104

Other color finishes possible;
see page 7



Barrier hoop

Safety protection especially for ramps



Protective hoop with cross bar

Round steel tube $\varnothing 48 \times 2.5$ mm

for wall-mounting, incl. 2 tube sockets type 443.15W for plugging down, removable, without locking mechanism



hot-dip galvanized

Total width	Height above ground	Kg	Part-No.	Euro
700 mm	1000 mm	12.0	448.21W ^A	96.50
1000 mm	1000 mm	13.8	448.22W ^A	102.00
1200 mm	1000 mm	14.9	448.23W ^A	107.00



hot-dip galvanized and coated yellow with black stripes

Total width	Height above ground	Kg	Part-No.	Euro
700 mm	1000 mm	12.0	448.21WBG ^A	133.00
1000 mm	1000 mm	13.8	448.22WBG ^A	142.00
1200 mm	1000 mm	14.9	448.23WBG ^A	147.00

Protective hoop with cross bar

Round steel tube $\varnothing 60 \times 2.5$ mm

for wall-mounting, incl. 2 tube sockets Type 460.15W for plugging down, removable, without locking mechanism



hot-dip galvanized

Total width	Height above ground	Kg	Part-No.	Euro
700 mm	1000 mm	14.9	465.21W ^B	115.00
1000 mm	1000 mm	17.1	465.22W ^B	120.00
1200 mm	1000 mm	18.5	465.23W ^B	125.00



hot-dip galvanized and coated yellow with black stripes

Total width	Height above ground	Kg	Part-No.	Euro
700 mm	1000 mm	14.9	465.21WBG ^B	147.00
1000 mm	1000 mm	17.1	465.22WBG ^B	154.00
1200 mm	1000 mm	18.5	465.23WBG ^B	160.00

Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection

Barrier posts

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

Car-park barriers

**Anti-nudge hoop
Steel tube \varnothing 76 mm**

hot-dip galvanized, powder-coated yellow, with black warning stripes



Ornamental bollards

For casting in concrete



Total width	Height above ground	Kg	Part-No.	Euro
400 mm	250 mm	6.5 ^B	477.01BG	105.00
750 mm	250 mm	8.0 ^B	477.02BG	113.00
1000 mm	250 mm	9.5 ^B	477.03BG	126.00
400 mm	650 mm	11.0 ^B	477.04BG	134.00
750 mm	650 mm	13.0 ^B	477.05BG	144.00
1000 mm	650 mm	14.0 ^B	477.06BG	161.00
400 mm	1150 mm	14.5 ^A	477.07BG	158.00
750 mm	1150 mm	16.0 ^B	477.08BG	170.00
1000 mm	1150 mm	17.5 ^B	477.09BG	185.00

Stainless steel

Barrier elements



Barrier gates

For plugging down



400 mm	250 mm	4.0 ^A	477.01PBG	132.00
750 mm	250 mm	6.0 ^A	477.02PBG	140.00
1000 mm	250 mm	7.0 ^B	477.03PBG	153.00
400 mm	650 mm	8.0 ^B	477.04PBG	160.00
750 mm	650 mm	10.0 ^B	477.05PBG	170.00
1000 mm	650 mm	11.0 ^B	477.06PBG	187.00
400 mm	1150 mm	12.5 ^A	477.07PBG	185.00
750 mm	1150 mm	14.5 ^B	477.08PBG	197.00
1000 mm	1150 mm	15.5 ^B	477.09PBG	212.00

Outdoor equipment

Work site protection



Also available in hot-dip galvanized !
See barrier elements pages 111

Other color finishes possible;
see page 7



Anti-nudge hoops \varnothing 76 mm

For protecting warehouse floor
(when crashed, fixation will not pull out)

Anti-nudge hoop flexible, tiltable Steel tube \varnothing 76 mm

hoop with base plate 220 x 220 mm,
hot-dip galvanized, powder-coated yellow,
with black warning stripes



For plugging down

Total width	Height above ground	Kg	Part-No.	Euro
400 mm	650 mm	12.0 ^B	477.04NPBG	228.00
750 mm	650 mm	15.0 ^B	477.05NPBG	240.00
1000 mm	650 mm	17.0 ^B	477.06NPBG	258.00
400 mm	1150 mm	12.0 ^A	477.07NPBG	249.00
750 mm	1150 mm	15.0 ^B	477.08NPBG	262.00
1000 mm	1150 mm	17.0 ^B	477.09NPBG	278.00

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

Anti-nudge hoop flexible, tiltable Steel tube \varnothing 76 mm

hot-dip galvanized, powder-coated yellow,
with black warning stripes



For plugging down

400 mm	650 mm	12.0 ^B	477.04APBG	241.00
750 mm	650 mm	15.0 ^B	477.05APBG	251.00
1000 mm	650 mm	17.0 ^B	477.06APBG	271.00
400 mm	1150 mm	12.0 ^A	477.07APBG	261.00
750 mm	1150 mm	15.0 ^B	477.08APBG	276.00
1000 mm	1150 mm	17.0 ^B	477.09APBG	291.00

Removable



Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection

Barrier posts

Anti-nudge hoop 90° equal-sided
Steel tube \varnothing 76 mm
 hot-dip galvanized and coated yellow with black stripes



Car-park barriers

Ornamental bollards

Stationary, for casting in concrete



Total width	Height above ground	Kg	Part-No.	Euro
350 mm	650 mm	19.0 ^B	477.30BG	262.00
350 mm	1150 mm	25.0 ^A	477.31BG	334.00
600 mm	650 mm	22.0 ^B	477.60BG	286.00
600 mm	1150 mm	27.5 ^B	477.61BG	357.00

Stainless steel

For plugging down

350 mm	650 mm	13.5 ^A	477.30PBG	289.00
350 mm	1150 mm	21.0 ^A	477.31PBG	369.00
600 mm	650 mm	16.0 ^B	477.60PBG	312.00
600 mm	1150 mm	24.0 ^B	477.61PBG	392.00

Barrier elements

Anti-nudge hoop Double hoop
Steel tube \varnothing 76 mm
 hot-dip galvanized and coated yellow with black stripes

Stationary, for casting in concrete



Total width	Total depth	Height above ground	Kg	Part-No.	Euro
750 mm	450 mm	650 mm	28.5 ^B	477.68BG	348.00
750 mm	450 mm	1150 mm	36.0 ^B	477.69BG	376.00
1000 mm	450 mm	650 mm	30.0 ^B	477.70BG	357.00
1000 mm	450 mm	1150 mm	37.5 ^B	477.71BG	385.00

Barrier gates

Outdoor equipment

For plugging down



750 mm	450 mm	650 mm	21.0 ^B	477.68PBG	393.00
750 mm	450 mm	1150 mm	31.5 ^B	477.69PBG	426.00
1000 mm	450 mm	650 mm	22.0 ^B	477.70PBG	402.00
1000 mm	450 mm	1150 mm	32.5 ^B	477.71PBG	431.00

Work site protection

Anti-nudge hoop 90°

One sided, deep version

Steel tube \varnothing 76 mm

hot-dip galvanized, powder-coated yellow, with black warning stripes



Total width	Total depth	Height above ground	Kg	Part-No.	Euro
Stationary, for casting in concrete					
One side, right					
600 mm	350 mm	650 mm	13.5 ^B	477.76BG	185.00
600 mm	350 mm	1150 mm	17.0 ^B	477.77BG	205.00
For plugging down					
One side, right					
600 mm	350 mm	650 mm	10.0 ^B	477.76PBG	215.00
600 mm	350 mm	1150 mm	15.0 ^B	477.77PBG	236.00



Total width	Total depth	Height above ground	Kg	Part-No.	Euro
Stationary, for casting in concrete					
One side, left					
600 mm	350 mm	650 mm	13.5 ^B	477.78BG	185.00
600 mm	350 mm	1150 mm	17.0 ^B	477.79BG	205.00
For plugging down					
One side, left					
600 mm	350 mm	650 mm	10.0 ^B	477.78PBG	215.00
600 mm	350 mm	1150 mm	15.0 ^B	477.79PBG	236.00

Anti-nudge hoop

double-sided, deep version

Steel tube \varnothing 76 mm

hot-dip galvanized and coated yellow with black stripes



Total width	Total depth	Height above ground	Kg	Part-No.	Euro
Stationary, for casting in concrete					
750 mm	450 mm	650 mm	17.0 ^B	477.72BG	254.00
1000 mm	450 mm	650 mm	18.0 ^B	477.73BG	264.00
750 mm	450 mm	1150 mm	20.0 ^B	477.74BG	281.00
1000 mm	450 mm	1150 mm	21.0 ^B	477.75BG	295.00



Total width	Total depth	Height above ground	Kg	Part-No.	Euro
For plugging down					
750 mm	450 mm	650 mm	13.0 ^B	477.72PBG	286.00
1000 mm	450 mm	650 mm	14.0 ^B	477.73PBG	296.00
750 mm	450 mm	1150 mm	18.0 ^B	477.74PBG	312.00
1000 mm	450 mm	1150 mm	19.0 ^B	477.75PBG	325.00

Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection

Safety protection for posts, pillars, poles, etc.




Anti-nudge hoop for posts

steel tube construction with 2 hoops \varnothing 60 mm with welded-on cross-bars for nesting for plugging down, with base plates 100 x 150 mm, hot-dip galvanized, powdercoated yellow, with black warning stripes




For plugging down


Total width	Total depth	Height above ground	Kg	Part-No.	Euro
600 mm	600 mm	650 mm	19.0 ^B	465.066PBG	273.00
800 mm	800 mm	800 mm	24.0 ^B	465.068PBG	300.00



Also available in hot-dip galvanized and white / red !
See barrier elements pages 110



Other color finishes possible;
see page 7



Crash guard with underrun guard

prevents underrunning of platform floor trucks and protects from fork trucks



Protection hoops, Steel tube \varnothing 76 mm

for plugging down, with base plates 100 x 150 mm, hot-dip galvanized, powder-coated yellow, with black warning stripes

For plugging down

Total width	Height above ground	Kg	Part-No.	Euro
750 mm	650 mm	17.0 ^B	477.32BG	240.00
1000 mm	650 mm	21.0 ^B	477.33BG	258.00

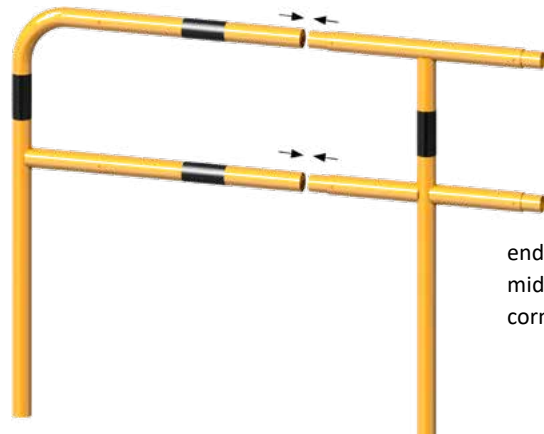
Protective railing

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, that's it!

Protective railing

Steel tube \varnothing 48 mm

variable connection, for plugging down, base plate 100 x 150 mm, height: 1000 mm, hot-dip galvanized, powder-coated yellow, with black warning stripes



end post
middle post
corner post

Kg	Part-No.	Euro
5.0 ^A	448.80PBG	80.10
7.0 ^A	448.81PBG	84.80
7.0 ^A	448.815PBG	97.30

Cross bar

Steel tube \varnothing 48 mm

hot-dip galvanized, powder-coated yellow, with black warning stripes

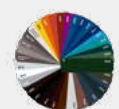


Tube length	Grid site	Kg	Part-No.	Euro
500 mm	1000 mm	1.5 ^A	448.42BG	23.50
1000 mm	1500 mm	3.0 ^A	448.43BG	29.10
1500 mm	2000 mm	4.5 ^B	448.44BG	36.00



Also available in hot-dip galvanized and white / red !
See Barrier elements page 123

Other color finishes possible;
see page 7



Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection

Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection

Anti-nudge railing as safety railing for work ways in front of machines, robots, racks, etc. The railing system is available for plugging down with base plate, removable and tiltable up to 30°.



Protective railing for plugging down

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



Fixed post for plugging down

Steel tube 70 x 70 mm with base plate 100 x 150 mm

- end post for top and knee bar
- middle post for top and knee bar
- corner post for top and knee bar 90°

Kg	Part-No.	Euro
6.5 ^A	4270PBG	109.00
7.0 ^A	4271PBG	118.00
7.0 ^A	4273PBG	120.00

Cross bar

steel tube 60 x 40 mm, hot-dip galvanized, coated yellow with black warning stripes, incl. fastening bolts



Tube length	Kg	Part-No.	Euro
800 mm	3.0 ^A	4208BG	35.90
1300 mm	5.0 ^A	4213BG	47.50
1800 mm	7.0 ^B	4218BG	56.90
2300 mm	8.5 ^B	4223BG	66.50

Gate element

for laying in fixed post made of steel tube 60 x 40 mm incl. fastening material

Element size	Kg	Part-No.	Euro
1300 mm	16.0 ^A	4225BG	185.00



The crossbars or the gate elements are simply placed in the brackets of the stationary post and bolted in place. (Suitable as temporary guard without bolts) also available in white / red; see page 122

Protective railing

Protective railing, tiltable, elastic compensates impacts without being torn out of the floor

Protective railing for plugging down

flexible, tiltable, with top and knee bars

Fixed post

steel tube 70 x 70 mm, with base plate 220 x 220 mm, hot-dip galvanized and coated yellow with black stripes, height above ground 1000 mm



4270NPBG

4271NPBG

	Kg	Part-No.	Euro
end post for top and knee bar	9.5 ^A	4270NPBG	160.00
middle post for top and knee bar	10.0 ^A	4271NPBG	168.00

Protective railing for plugging down removable for temporary opening of access routes

Fixed post

steel tube 70 x 70 mm, base plate for temporary opening 150 x 180 mm, hot-dip galvanized and coated yellow with black stripes height above ground 1000 mm



4270APBG

4271APBG

4273APBG

	Kg	Part-No.	Euro
end post for top and knee bar	9.5 ^A	4270APBG	170.00
middle post for top and knee bar	10.0 ^A	4271APBG	179.00
corner post for top and knee bar 90°	10.0 ^A	4273APBG	181.00



Cross bar

steel tube 60 x 40 mm, incl. fastening bolts see page 190

Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

Outdoor equipment

Work site protection

Barrier posts

Car-park barriers

Ornamental bollards

Stainless steel

Barrier elements

Barrier gates

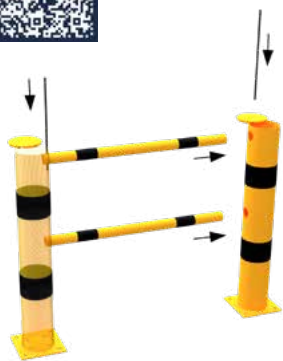
Outdoor equipment

Work site protection



Plug-in railing system to be fixed by plugs

steel tube Ø 152.4 mm with top and knee bars of steel tube Ø 48 mm, height approx. 1000 mm.



hot-dip galvanized and coated yellow with black stripes

	Kg	Part-No.	Euro
end post for top and knee bar	13.0 ^A	40158-0BG	178.50
middle post for top and knee bar 180°	13.0 ^A	40158-180BG	184.50
corner post for top and knee bar 90°	13.0 ^A	40158-90BG	184.50
t-post 3 x 90°	13.0 ^A	40158-3X90BG	190.50

corner post for top and knee bar 60°	13.0 ^A	40158-60BG	184.50
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Cross bar

steel tube Ø 48 mm, hot-dip galvanized, coated yellow with black warning stripes, incl. fastening bolts



Tube length	Kg	Part-No.	Euro
400 mm	3.0 ^A	448.45BG	23.50
900 mm	5.0 ^A	448.46BG	29.10
1400 mm	7.0 ^A	448.47BG	36.00

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).



Crash guard angle

acc. to BGR234
for individual use
(warehouse equipment,
rack or shelf supports, etc.)



Compensates impacts from fork lift trucks.
Bolts will not tear out of the floor.



Crash guard, flexible

steel plate 5 mm thick, yellow powder-coated with black stripes, for plugging down, height 400 mm leg length 160 mm tilting angle 15°

Kg	Part-No.	Euro
6.0 ^A	477.89BG	129.00



Crash guard angle

steel plate 5 mm thick, powder-coated yellow with black stripes (loose supply), for plugging down, leg length: 160 mm



height 200 mm
height 400 mm
height 800 mm
height 1200 mm

Kg	Part-No.	Euro
3.0 ^A	477.84B	37.80
5.5 ^A	477.85B	44.00
10.5 ^A	477.86B	114.00
15.5 ^A	477.87B	162.00



Crash guard angle

With reinforced edges of steel plate 6 mm thick, powder-coated yellow with attached black stripes, for plugging down, leg length 160 mm



height 400 mm
height 800 mm
height 1200 mm

Kg	Part-No.	Euro
7.0 ^A	477.90B	65.70
14.0 ^A	477.96B	140.00
20.5 ^A	477.97B	190.00



Crash guard U-shape

with reinforced edges of steel plate 6 mm thick, powder-coated yellow with attached black stripes for plugging down u-section 160 x 160 mm

Kg	Part-No.	Euro
10.0 ^A	477.91B	78.30



Suitable fastening material for this product:
Set of mounting bolts type 1

Part-No.	Euro
470.71	6.10

Secures driveways, halls with a restricted height, underpasses etc.



Barrier

of aluminium tube
height: 100 mm, with protective caps,
yellow coated with black stripes,
incl. 2 x 1.00 m steel chain



	Length	Kg	Part-No.	Euro
Marking film one-sided	2000 mm	3.5 ^B	4117.20BG	107.00
	3000 mm	5.0 ^C	4117.30BG	136.00
	4000 mm	6.0 ^D	4117.40BG	165.00
	5000 mm	7.0 ^D	4117.50BG	194.00
	6000 mm	8.5 ^D	4117.60BG	223.00
Marking film both-sided	2000 mm	3.5 ^B	4217.20BG	120.00
	3000 mm	5.0 ^C	4217.30BG	156.00
	4000 mm	6.0 ^D	4217.40BG	192.00
	5000 mm	7.0 ^D	4217.50BG	228.00
	6000 mm	8.5 ^D	4217.60BG	263.00

Clearly visible crash guard for posts, pillars, poles etc.

Crash guard angle

made of aluminium plate with 4 bores \varnothing 10 mm
for plugging down
height: 1000 mm
angular dimension: 120 mm
yellow/black



Kg	1.3 ^A	1.3 ^A
Part-No.	4317RBG	4317LBG
Euro	35.90	35.90



These products are also available in white/red;
see barrier elements page 120

Safety kerb

Steel angle 100 x 150 x 10 mm,
for plugging down
with 45° miter, yellow powder-
coated, crash guard for fork trucks,
platform floor trucks, etc.



Total width	Height	Kg	Part-No.	Euro
400 mm	150 mm	7.0 ^A	477.44BG	86.60
800 mm	150 mm	14.0 ^A	477.45BG	123.00
1000mm	150 mm	18.0 ^A	477.46BG	135.00
1200 mm	150 mm	22.0 ^A	477.47BG	149.00
1500 mm	150 mm	28.0 ^B	477.48BG	170.00

Safety handles

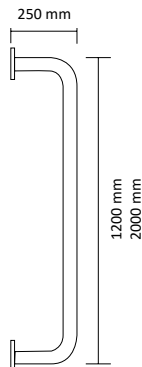
Steel tube Ø 48 mm,
for openings in walls and staircase
areas

U-shape hoop

with fixing plates 100 x 150 mm,
hot-dip galvanized, powder-coated yellow with black warning stripes



Height	Depth	Kg	Part-No.	Euro
1200 mm	250 mm	5.5 ^A	477.801BG	98.00
2000 mm	250 mm	8.0 ^B	477.802BG	105.00



Articles are manufactured by order.

Barrier posts

Secures transportation routes.
Stops and protects.

Car-park barriers

Anti-nudge bar
Round steel tube Ø 76 mm,
for plugging down
with chamfered ends,
base plates 200 x 50 x 10 mm,
powder-coated yellow with black
stripes, stops and protects



Ornamental bollards



Stainless steel

Total width	Height above ground	Kg	Part-No.	Euro
400 mm	86 mm	3.5 ^A	477.40BG	64.20
800 mm	86 mm	5.0 ^B	477.41BG	73.60
1000 mm	86 mm	6.0 ^B	477.42BG	81.50
1200 mm	86 mm	7.0 ^B	477.43BG	89.20

Barrier elements

Corner - anti- nudge bar
Round steel tube Ø 76 mm,
for plugging down
base plates 200 x 50 x 10 mm,
powder-coated yellow with
black stripes



Total width	Height above ground	Kg	Part-No.	Euro
700 x 700 mm	86 mm	8.5 ^A	477.50BG	105.00

Barrier gates

Outdoor equipment

Anti-nudge hoop
Round steel tube Ø 60 mm,
for plugging down
base plates 100 x 150 mm,
powder-coated yellow with black
stripes



Total width	Height above ground	Kg	Part-No.	Euro
400 mm	115 mm	3.0 ^A	477.34BG	109.00
1000 mm	115 mm	5.0 ^B	477.35BG	125.00
1500 mm	115 mm	7.0 ^B	477.36BG	142.00
2000 mm	115 mm	9.0 ^B	477.37BG	158.00

Work site protection



Warning and protection profiles

Profile body: recycling-grade polyurethane foam, without CFC
 Surface: firmly foamed, PU film dyed by counter pressure, no external paint application
 Adhesive: acrylate adhesive, adhesive force: 21 N/25 mm
 Temperature resistance: from -40°C to +100°C for indoor and outdoor use
 Fire test: DIN 4102 B2

All profiles delivered with strong adhesive tape (except type B).

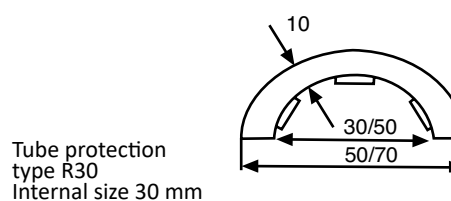
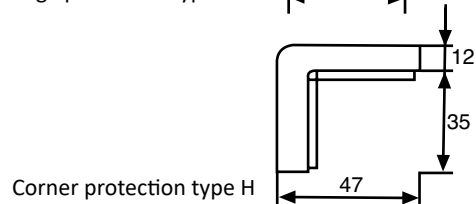
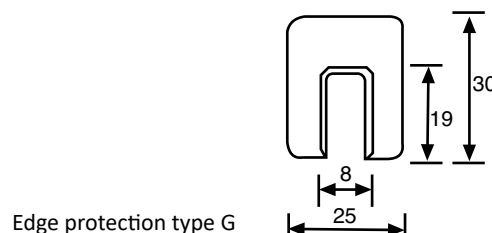
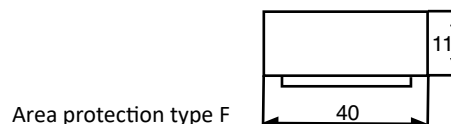
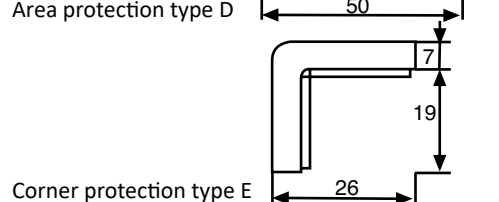
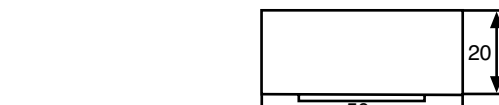
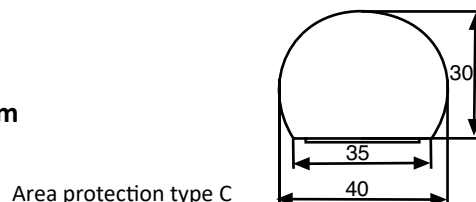
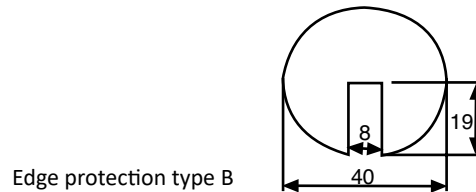
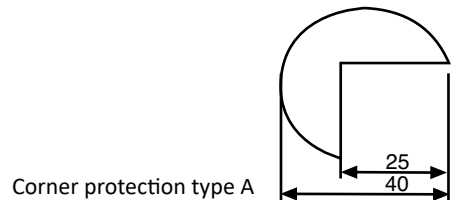
The flexible warning and protection profiles have a yellow / black warning pattern to warn of dangers at edges, projections and obstacles. At the same time they absorb impacts and thereby avoid injury and prevent damage due to run-up.

Warning and protection profiles yellow / black – 1000 mm / 5000 mm

Article	Part-No. 1000 mm	Euro	Part-No. 5000 mm	Euro
Typ A	4110 ^A	33.90	4510 ^A	198.00
Typ B	4111 ^A	33.60	4511 ^A	196.00
Typ C	4112 ^A	36.30	4512 ^A	205.00
Typ D	4113 ^A	46.90	4513 ^A	282.00
Typ E	4115 ^A	34.30	4515 ^A	198.00
Typ F	4116 ^A	35.60	4516 ^A	205.00
Typ G	4119 ^A	37.70	4519 ^A	214.00
Typ H	4120 ^A	40.50	4520 ^A	218.00
Typ R30	4117 ^A	55.70		
Typ R50	4114 ^A	68.30		

Corner protections for black warning and protection profiles

Article	Part-No.	Euro
Type A 2-dimensional	410810 ^A	16.70
Type A 3-dimensional	410811 ^A	18.20
Type E 2-dimensional	410812 ^A	16.70
Type E 3-dimensional	410813 ^A	18.20



To achieve maximum success in marketing, a good presentation of the product is crucial. In addition to our capabilities in data preparation and provision for your online or catalog presentation, we are happy to support you in using your sales areas in the best possible way for the presentation of our products.

In addition to a selection of sample posts and presentation sets, which we can use to showcase our products, we are happy to exchange ideas for the individual design of your sales areas and to support you. Please feel free to challenge us with your creative requirements!



Sample post type 4706

consisting of:

1. **barrier post of steel tube \varnothing 76 mm**
type 476PBG, stationary for plugging down
2. **barrier post of steel tube 70 x 70 mm**
type 470UZB, foldable, with Euro profile cylinder
3. **barrier post of steel tube 70 x 70 mm**
type 470FUB, foldable, with triangular lock
4. **Ornamental bollard with hemispherical head**
type 482PB, stationary, for plugging down
5. **Ornamental bollard with flat head \varnothing 76 mm**
type 4071PB, stationary, for plugging down
6. **Car-park barrier**
type 4709UZB, foldable, with Euro profile cylinder lock to be fixed by plugs

Selling box 4707

consisting of:

- 3x **barrier posts of steel tube 70 x 70 mm**
type 470FB, removable, with triangular lock
- 1x **barrier post of steel tube 70 x 70 mm**
type 470FUHB, foldable, with triangular lock
- 1x **barrier post of steel tube 70 x 70 mm**
type 470UZHB, foldable, with Euro profile cylinder
- 1 x **barrier post of steel tube 70x 70 mm**
type 470B, stationary, for casting in concrete
- 3 x **barrier posts of steel tube \varnothing 60 mm**
type 460B, stationary, for casting in concrete
- 3x **barrier posts of steel tube \varnothing 60 mm**
type 460B/2, stationary, for casting in concrete, 2 eyelets
- 1 x **car-park barrier**
type 40771, foldable, with round cylinder





First aid kit

consisting of:

- 15 x traffic cones, height 320 mm
- 20 x traffic cones, height 500mm
- 4 x traffic cone adapter for all Schake traffic cones
- 4 x signallight for traffic panels PowerNox, light exists on one side, yellow
- 4 x barrier strap with traffic cone adapter for all traffic cone types
- 24 x block battery 6V / 7AH 4R25
- 20 x barrier tape holder
- 50 x twin pole, diameter 16 mm, length: 1000 mm
- 4 x barrier tape, panted on both sides, in red / white bocks, 500 m reel in special carton
- 4 x euro pallets
- 1 x Schake „EHK“ pallets cover



Formwork-/ Trench shoring kit

consisting of:

- 2 x heads for formwork props, with corner angles
- 1 x head for formwork props, reinforced version, tube Ø 39 mm
- 1 x head for formwork props, with tube Ø 26,9 mm
- 1 x formwork beam of wood Schake type H20
- 1 x formwork prop hot-dip galvanized, with outer thread 1,70 m - 3,00 m
- 1 x formwork prop, painted, with inner thread 1,87 m - 3,00 m
- 1 x formwork prop hot-dip galvanized with outer thread 1,70 m - 3,00 m
- 1 x formwork prop painted, with outer thread
- 1 x tripod stand galvanized with square tube
- 1 x aluminium trench bridge, length: 1,70 m, width: 1,00 m
- 1 x trench shoring perfect 32 mm size 4
- 1 x trench shoring perfect 60 mm size 2
- 1 x trench shoring perfect 48 mm size 3
- 8 x wing nut, 3 arms
- 2 x threaded rod Ø 15 mm, outside dimension Ø 17 mm
core domension 15 mm x 1900 mm

At the point of sale you have the possibility to adress to your customer in a very comprehensive way, take this opportunity with a good product presentation, always keeping the following POS benefits in mind:

- **Feel, not only inform**

Your customers can touch the product and get a real impression of quality, size ratios and material properties. An impression that no digital presentation can provide in equal way

- **Experience and remember**

Through direct, tangible contact with the product, the customer associates a real experience with the product and also stores it emotionally. You remain in your customer's memory for a long time.

- **Stand out and be seen**

By showing the product physically, you make it stand out from the crowd and draw the customer's attention to it. The customer's attention is drawn exactly to what you want to show

- **Feel good and come back**

Good product presentations with real products create a special atmosphere in your sales area. Make sure that your customer feels comfortable, enjoys the time he spend looking at your products and gladly comes back.

Aluminium barrier	134	Crash barrier	67
Aluminium bollard	85, 126	Crash protection bar corten steel	102
Aluminium corner/knee/cross piece	126	Crash protection bars rectangular tube	156-157
Aluminium style post	86-87	Crash protection bollard 70 x 70 mm / 100 x 100 mm	32-43
Ashtray	165	Crash protection steel \varnothing 48- 76 mm	104-113, 182-188
Barrier	132-139	Crossbar	122-123, 189-192
Barrier chain post	45, 181	Dowel set	49, 136-139, 169-171
Barrier chains	50-51, 180	Drive-through barrier	116-120, 132-139
Barrier corten steel	102	Dry frame	163
Barrier flat steel	158-160	E-bike leaning bracket	150-151
Barrier gate	111-115, 124-130, 133-136, 139-140, 184-187, 196	Edge protection	193, 194, 120, 195, 197
Barrier post \varnothing 42-89 mm	11-21, 169-171	Elastic tubular steel bollard	173
Barrier posts 70 x 70 mm / 100 x 100 mm	32-43	Eyelet for barrier post	47
Barrier posts made of plastic	45-47, 181	Fastening material	49, 136-138, 168-171
Barrier posts made of steel tube 70 x 70 mm	32-42	Fastening set	136-139, 168-171
Barrier posts made of steel tube \varnothing 102- 108 mm	22-23	Fence	124-129
Barrier posts made of steel tube \varnothing 42- 89 mm	11-21, 169-171	Fire brigade delineator posts	16
Barrier posts made of tubular steel 100 x 100 mm	43	Fire brigade posts	32-42
Barrier posts \varnothing 102-323 mm	22-23, 172-177	Fixed road barrier	114-115
Barrier protection	87, 126-129	Fixing material	49, 136-139, 168-169, 170-171
Barrier railings	189-192	Flat steel bracket	158-160
Barrier stainless steel	98-100	Flat steel impact protection bar	158-160
Barrier steel \varnothing 48- 76 mm	104-113, 182-188	Flat steel lean-to	158-160
Barrier steel \varnothing 48- 76 mm	104-113, 182-188	Flexipost	46-48
Barrier with support	136	Flower box	166
Bicycle / scooter stands	152	Foil for barrier posts	6
Bicycle lean-to- row systems	144-149	Fully retractable post	97
Bicycle lean-to bars- single parking	143	Galvanised sleeve	20, 44, 55, 136, 138
Bicycle lean-to, steel tube \varnothing 48 mm	154	Gate barrier	132
Bicycle lean-to, steel tube \varnothing 60 x 2.5 mm	155	Grey key	38, 55-56
Blind plug	55	Grille	124, 126-129,
Bollard 70 x 70 / 100 x 100 mm	32-43	Ground socket for posts	20, 44, 52, 55, 136, 138, 161
Bollard chain	50-51, 180	Hand barrier	114, 132, 138-140
Bollard luminaires	162	Hand barrier with gas pressure spring and pendulum support	114, 139
Bollard made of recycled plastic	68	Hand barrier with gas pressure spring and support	138
Bollard \varnothing 102- 323 mm	22-23, 172-177	Handrail	87, 122-123, 130, 189-192
Bollard \varnothing 102- 323 mm	22-23, 172-177	Height limiter	116-121, 194
Bollard \varnothing 42- 89 mm	11-21, 169-171	Hinge for style guardrail	87
Bollard \varnothing 42- 89 mm	11-21, 169-171	Impact protection	120, 194, 197
Bollard with drive-over protection	48	Insertable container	164
Bollards \varnothing 102- 323 mm	22-23, 172-177	Key	55
Bracket for information sign	119	KICKBACK Bollard	48
Bracket for parking sign	66	Knee bollard	87
Car park marking	66-67	Laundry drying rack	163
Chain links	50-51, 180	Leaning and barrier bars	148-151, 160
Chain stand	45, 181	Litter bin	164-165
Cigarette cup	165	Locking bar made of flat steel	158-160
City fence	127-129	Locking bar stainless steel	98-100
Cleaning and maintenance spray	93	Marker post	46-47
Clothes drying rack	163	Mobile hand barrier	121
Column protection	193	Parking and guide threshold	67
Connecting elements	50-51, 180	Parking post	61
Cord reinforcement	136-139	Parking sign posts	66-67
Corner protection profile	120, 193-197	Parking signage	66-67
Corten steel bicycle racks	102	Parking space bar	58-63
Corten steel bollard	101	Parking space barrier	56-63, 65-67
Corten steel bracket	102	Parking space marking	66-67
Corten steel guide rail	102	Parking threshold	67
Corten steel lean-to bracket	102	Passage and parking barrier	58-59
Corten steel locking bar	102	Path barrier	112-115
Cover cap	43, 52-53, 161, 170	Path barrier with counterweight and swing support	137

Pedestal ashtrays	165	Speed bump	67, 179
Pedestal post	124-127, 190	Square post	56, 165
Pipe bracket rectangular pipe	156-157	Square post 100 x 100 mm	43
Pipe clamp square tube	156-157	Square post 70 x 70 mm	32-42
Pivoting road barrier	113	Square tube bracket	157
Planter	166	Stainless steel bicycle leaning bar	100
Plastic bollard	46-47	Stainless steel bollard	98-100
Plastic bollard set	45, 181	Stainless steel bollard Ø 154 mm / Ø 204 mm	96
Plastic chain	50-51, 180	Stainless steel bracket	98-100
Plastic chain post	45, 181	Stainless steel care spray	93
Plastic hook link	51, 180	Stainless steel guardrail	98-100
Plastic post	45-48, 181	Stainless steel impact protection	98-100
Plug-in triangular key	56, 165	Stainless steel lean-to	98-100
Post chain	50-51, 180	Stainless steel post 70 x 70 mm	92
Post Ø 102- 323 mm	22-23, 172-177	Stainless steel posts Ø 60- 102 mm	93-95
Post Ø 42- 89 mm	11-21, 169-171	Stainless steel rail	98-100
Post support	20, 40, 52, 55, 136, 138	Stainless steel tube bollard Ø 48 mm	100
Posts 70 x 70 / 100 x 100 mm	32-43	Standard triangular key	56
Profile cylinder lock	136-139	Steel bollard 70 x 70 mm / 100 x 100 mm	32-43
Protection guard rectangular tube	156-157	Steel bollard Ø 102- 323 mm	22-23, 172-177
Protection guard steel Ø 48- 76 mm	104-113, 182-188	Steel bollard Ø 42- 89 mm	11-21, 169-171
Protective bollard 70 x 70 mm / 100 x 100 mm	32-43	Steel bracket Ø 48-76 mm	104-113, 182-188
Protective bollards Ø 42- 89 mm	11-21, 169-171	Steel bumpers Ø 48- 76 mm	104-113, 108-110, 182-188
Protective corners	197	Steel chain	50, 180
Protective fence lattice	124-126	Steel flat shackle	158-159
Protective hoop corten steel	102	Steel hoops made of flat steel	158-160
Protective hoop made of flat steel	158-160	Steel hoops Ø 48- 76 mm	104-113, 182-188
Protective profiles	120, 194, 197	Steel lean-to bracket Ø 48- 76 mm	104-113, 108-110, 182-188
Push-in railing system	192	Steel shackle rectangular tube	156-157
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Rectangular tube bollard	156-157	Sticker „Clean man“	147,165
Rectangular tube bracket	156-157	Style bollard 70 x 70- 100 x 100 mm made of tubular steel	89
Rectangular tube stirrup	156-157	Style bollard made of corten steel tube	101
Rectangular tubular steel	156-157	Style bollard made of steel tube Ø 82- 193 mm	77-84
Rectangular waste bin	165	Tension reinforcement	136-139
Recycling post	68	Threshold	193, 195
Road barrier with counterweight and support post	136	Traffic guidance system	132
Rope reinforcement	136-139	Traffic protection system	127-129
Rotating gate barrier	132	Tree and pillar protection	109-110, 188
Round ashtray	165	Tree protection bracket	109-110, 188
Round steel bracket Ø 48- 76 mm	104-113, 182-188	Triangular key	38, 55, 41, 56, 63, 165
Round steel pipe hangers Ø 48 X 2.5 mm	66, 108	Tubular steel bracket Ø 48- 76 mm	104-113, 182-188
Row parking bollards	144-148	Turnable roadblock	112, 125, 133, 140
Row system	144-148	Universal bollard	109-111
Rubbish bin	164-165	Universal spanner	41, 55-56, 63, 165
Safety handles	195	Warning and protection profiles	120, 194, 197
Safety tension spanner	41, 56, 63, 165	Waste bin	164-165
Scooter parker	142	Wheel stand	148-151, 160
Scraping board	195	Wheel stop	67
Screw set	49, 136-139, 168-171	Wire tension reinforcement	136-139
Self-righting post	46-47		
Shackle	50, 180		
S-hook	50, 180		
Shut-off bar rectangular tube	156-157		
Shut-off barrier	132-140		
Signage for parking spaces	66		
Signpost impact bar	66-67		
Single parking bollard	143		
Sleeve	20, 44, 52, 55, 136, 138		
Snap hook	50		
Socket spanner	38, 55-56, 165		

Product liability:

Liability in accordance with the Product Liability Act does not apply if non-use of original parts. All products are supplied without decoration. Slight color deviations in printing due to the material properties of the single product are possible.

The products shown are reference samples.



Your requirements in daily business

You got a new idea and need some help?

You already have a final conception and you are looking for support?



We design the optimal product solution for you



We manufacture for you in our high-duty machine park



We will support you from the first idea to the finished product



An overview of product solutions which we manufacture individually for you

Bicycle leaning post

as advertising medium according to your specifications individually designed and produced



Bollard

with predetermined breaking point



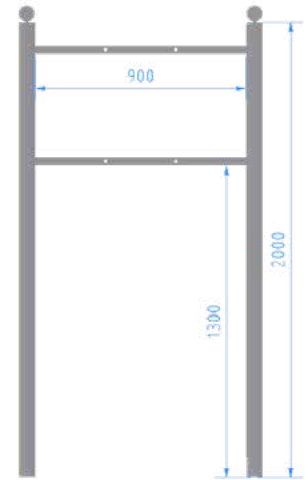
Ornamental bollards

in your own design



Sign frame

for industry or communs tailored to your requirements



General terms of delivery of Schake GmbH

1. Scope of validity

- (1) These terms of delivery apply exclusively to contractors, legal entities under public law or separate estates under public law (hereinafter: contractual partner).
- (2) Contractor is an individual or legal entity or a partnership with legal capacity which is acting in its commercial or self-employed professional capacity at the time of concluding a legal transaction.
- (3) The inclusion of business or purchasing terms of the contractual partner is herewith declared void. Their inclusion always requires an express agreement.

2. Applicable law

Contractual relationships in which these terms of delivery have been incorporated are based exclusively on German law, including international and European law that has been ratified in Germany or is directly applicable, however with the exclusion of the UN Sales Convention (CISG).

3. Offer and conclusion of contract

- (1) Drawings, illustrations, dimensions, weights, or other performance data sent to us by the contractual partner are only binding if this has been expressly agreed.
- (2) In case of doubt, the contract shall be deemed concluded with the content of our order confirmation.
- (3) All contents of the contract require an express agreement. Our silence in response to a commercial letter of confirmation from the contractual partner neither concludes in a contract, nor does a contract that has been concluded be hereby modified.

4. Notice of defects

Notices of defects within the meaning of Section 377 of the German Commercial Code (HGB) are only considerable if they are made in text form and the defects are described in such concrete terms that their relevance can be assessed.

5. Self-supply reservation

Our delivery obligations are subject to the correct and timely self-supply, unless we are responsible for the incorrect or delayed self-supply.

6. Prices, payment, set-off, right of retention

- (1) Our prices are ex works plus freight and the applicable sales tax.
- (2) Our invoices are due for payment within eight days of receipt and without deduction.
- (3) The contractual partner can only set-off against our claims with claims that are undisputed or have been legally established or are ready for judgement in a legal dispute. The contractual partner is entitled to exercise a right of retention only if his counter-claim stems from the same contractual relationship.

7. Transfer of risk upon dispatch

If the goods are dispatched to the contractual partner or to a third party at the request of the contractual partner, the risk of accidental loss or accidental deterioration of the goods is transferred to the contractual partner once the goods leave the factory/warehouse. This applies regardless of who bears the freight costs.

8. Reservation of property rights

- (1) The delivered goods remain our property until the final payment of all claims arising based on the business relationship. In the case of several claims or a running account, the reservation of property rights serves as a security for the balance claim.
- (2) The contractual partner is entitled to process and sell the reserved goods in the ordinary course of business if he is not in default. The contractual partner hereby assigns to us by way of security the claims arising from the resale or any other legal reason (insurance, tort) regarding the reserved goods up to the amount of a balance existing in our favour. We revocably authorise the contractual partner to debit the claims assigned to us to his account in his own name. The direct debit authorisation expires if the contractual partner does not properly comply with his payment obligations or if insolvency proceedings are opened against his assets or if the opening of insolvency proceedings is rejected due to insufficient assets.

9. Limitation of claims for defects

The limitation period for claims for defects is one year from the transfer of risk. This does not apply insofar as the law stipulates a mandatory indispensability or if a shortening of the limitation periods cannot effectively take place as per the jurisdiction in the general terms and conditions. In particular, this does not apply so far longer deadlines are regulated for claims according to Section 438 Paragraph 1 No. 2 (constructions and things for constructions), 478, 479 (supplier recourse) and 634 a Paragraph 1 No. 2 of German Civil Code (BGB) (construction defects) as well as in cases of loss of life, bodily injury or damage to health, in the event of an intentional or grossly negligent breach of duty by us and in the case of fraudulent concealment of a defect as well as claims under the Product Liability Act.

10. Liability

For an injury to life or health, intentional and grossly negligent actions as well as claims under the Product Liability Act, we are always fully liable in accordance with the statutory provisions. If an essential contractual obligation is breached by slight negligence, our liability for financial damages that is not based on injury to life or health is limited to the foreseeable damages typical for the contract. Contractual obligations are regarded to be of fundamental importance, the fulfilment of which makes the proper execution of the contract possible in the first place and on the compliance of which the contractual partner has relied and was entitled to rely.

11. Place of jurisdiction

- (1) If the contractual partner is a businessman within the meaning of the German Commercial Code (HGB), a legal entity under public law or separate estate under public law, Hagen in North Rhine-Westphalia is the place of jurisdiction for all disputes arising from the contractual relationship in which these terms of delivery were included; additionally existing legal places of jurisdiction are not affected by this.
- (2) The provision of Paragraph 1 does not apply to claims that are assigned to the district courts regardless of the amount in dispute; it also does not apply if the law establishes another exclusive place of jurisdiction.