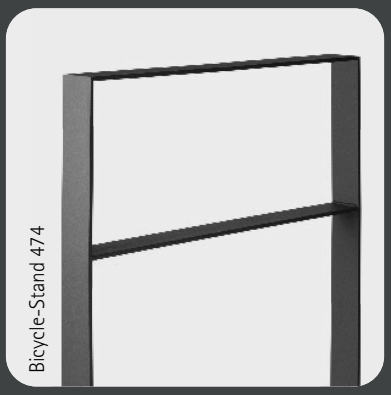
ABES
PUBLIC DESIGN

Bollard Schengen

Waste container 510


Bicycle-Stand 474

Bench 148

Bollard 059

STREET FURNITURE 2025

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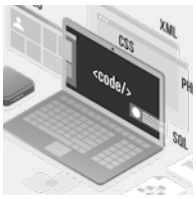

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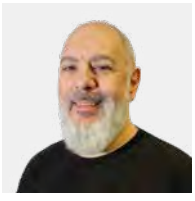

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„A product range as if made from one piece"

The willingness to innovate and experiment is a decisive part of our corporate DNA

Barrier posts with the 3p-Technology developed by us have set new benchmarks. Today, the 3p-Technology is regarded as a standard fastening system in hundreds of towns and municipal facilities.

You can find everything you need to know about the advantages of this cost-reducing technology and its individual contribution to modern urban design in the current 2025 catalogue and in the online shop.

In addition, we will show you an extensive selection of trendsetting furniture and different equipment elements for public spaces that contribute to a sustainable environment worth living in.

From Borofix, the patented ground sleeve with clamping system, modularly expandable park benches and robust picnic table combinations to a large selection of barrier posts with and without 3p-Technology, you will find a variety of meaningful solutions for your needs in our 2025 catalogue.

If you are facing specific challenges or need support in choosing the right urban furniture for your project, we are always happy to assist you. Your ideas and requirements are always our top priority. We offer free sampling, comprehensive telephone consultations and personal presentations directly at your site.

Put us to the test – we look forward to hearing from you!

Lutz Barich Rotger Barich

ABES
PUBLIC DESIGN

Innovation and creativity

ABES was founded in 1994 and has been concentrating on the design of objects for public spaces since 1999.

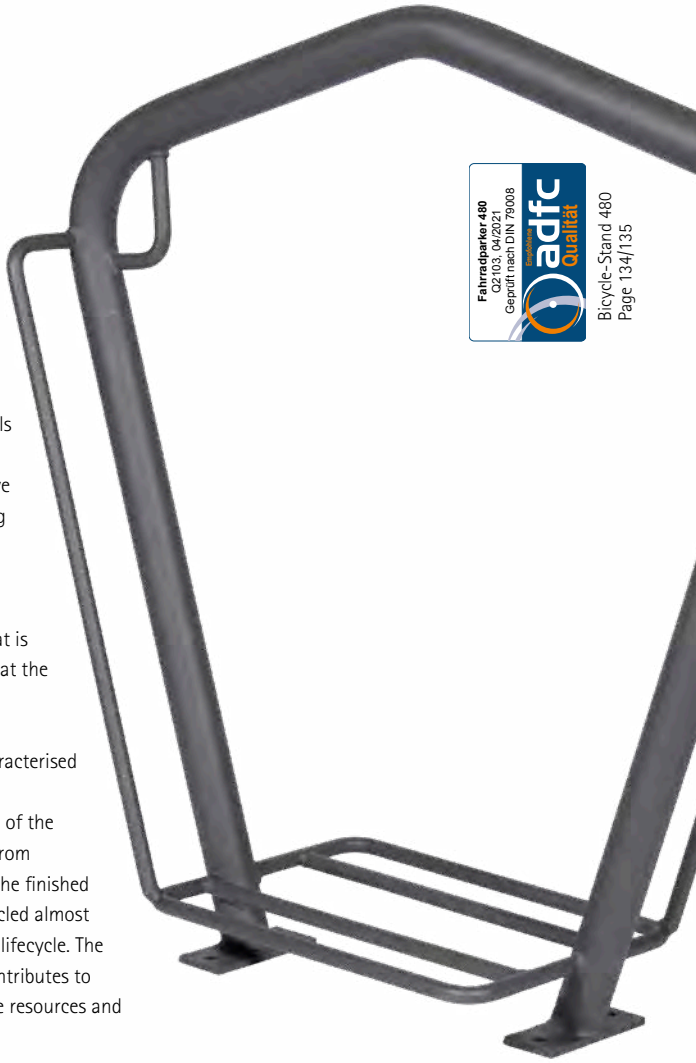
ABES developed the 3p-Technology with a clear focus on customer needs. This technical innovation, which is now established as the standard fastening system in many towns and municipalities, enables the cost-effective, simple and time-saving repair of public furniture. The underlying concept: bollards and barrier posts are equipped with a special connector that contains a cast-in predetermined shear point. If force is applied, both the object and the foundation remain intact – only the connector is replaced on site.

ABES is also proving its innovative force in the urban furniture sector. The products we develop are distinguished by their individual design and unique character. They attract attention, inspire viewers and stimulate different opinions and discussions. This diversity is what makes the objects so appealing.

The North Rhine-Westphalia Design Centre has honoured this uniqueness and awarded the renowned «Red Dot Award» to the 450-1 bicycle rack (formerly Signum I) and the 001-1 bollard (formerly Metropol 520 5RK) with 3p-Technology.

ABES uses various high-quality materials for its products. In addition to galvanised or high-grade steel and selected, primarily native wood species, the company increasingly relies on cast iron and aluminium. These materials offer special advantages that are difficult to achieve with conventional welding processes. Casting allows almost limitless design possibilities and gives the objects an appearance that is both modern and archaic at the same time.

In addition, casting is characterised by its high environmental friendliness. Around 95 % of the materials used originate from recyclable resources and the finished cast products can be recycled almost 100 % at the end of their lifecycle. The choice of this material contributes to the conservation of scarce resources and the avoidance of waste.



Bicycle-Stand 480
Page 134/135

See the aesthetic and technologically innovative products from ABES for yourself.

Bench 146-2 | Page 96

WORTH KNOWING. INFORMATIVE. VERSATILE.

Online guidebooks and technical articles

Discover exciting, comprehensive articles on a wide variety of topics around urban planning and development. Our publications regularly offer you new insights into current projects, trends and innovative approaches that are shaping cities and towns sustainably. New editions are published at regular intervals and present practical solutions and inspiring ideas for a modern and future-oriented urban design.

https://abes-online.com/en/publications/

Technical article

Bollards as traffic elements

If you are looking for simple but effective ways to ensure road safety in cities and towns or to demarcate a traffic-calmed area, bollards are a versatile, reliable and easy-to-implement solution. The barrier posts perform numerous important tasks in road traffic and help to make traffic safer.

Read the complete technical article on our website:

https://abes-online.com/en/guides-en/urban-planning-urban-development-and-identity/

THE ABES ONLINE SHOP

From planning to ordering & order processing to delivery tracking

INTERACTIVE COST COMPARISON CALCULATOR FOR THE 3P TECHNOLOGY BOLLARD SYSTEM

Quotation creation as PDF

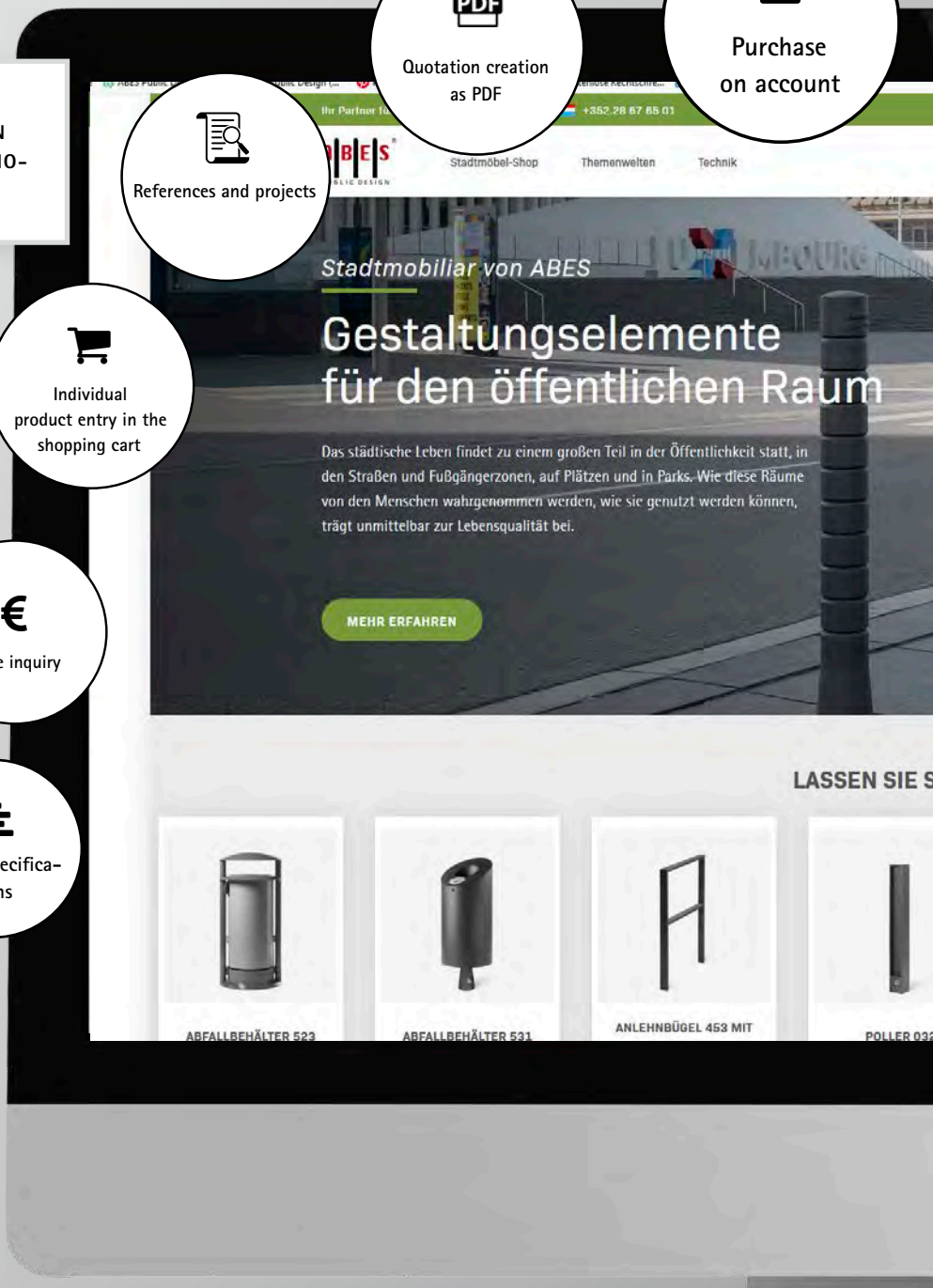
Purchase on account

References and projects

Individual product entry in the shopping cart

Price inquiry

Tender specifications



COAT OF ARMS OVERVIEW: YOUR INDIVIDUAL COAT OF ARMS

PRODUCT RANGE AS PDF-
DOWNLOAD IN NO TIME

Query order status

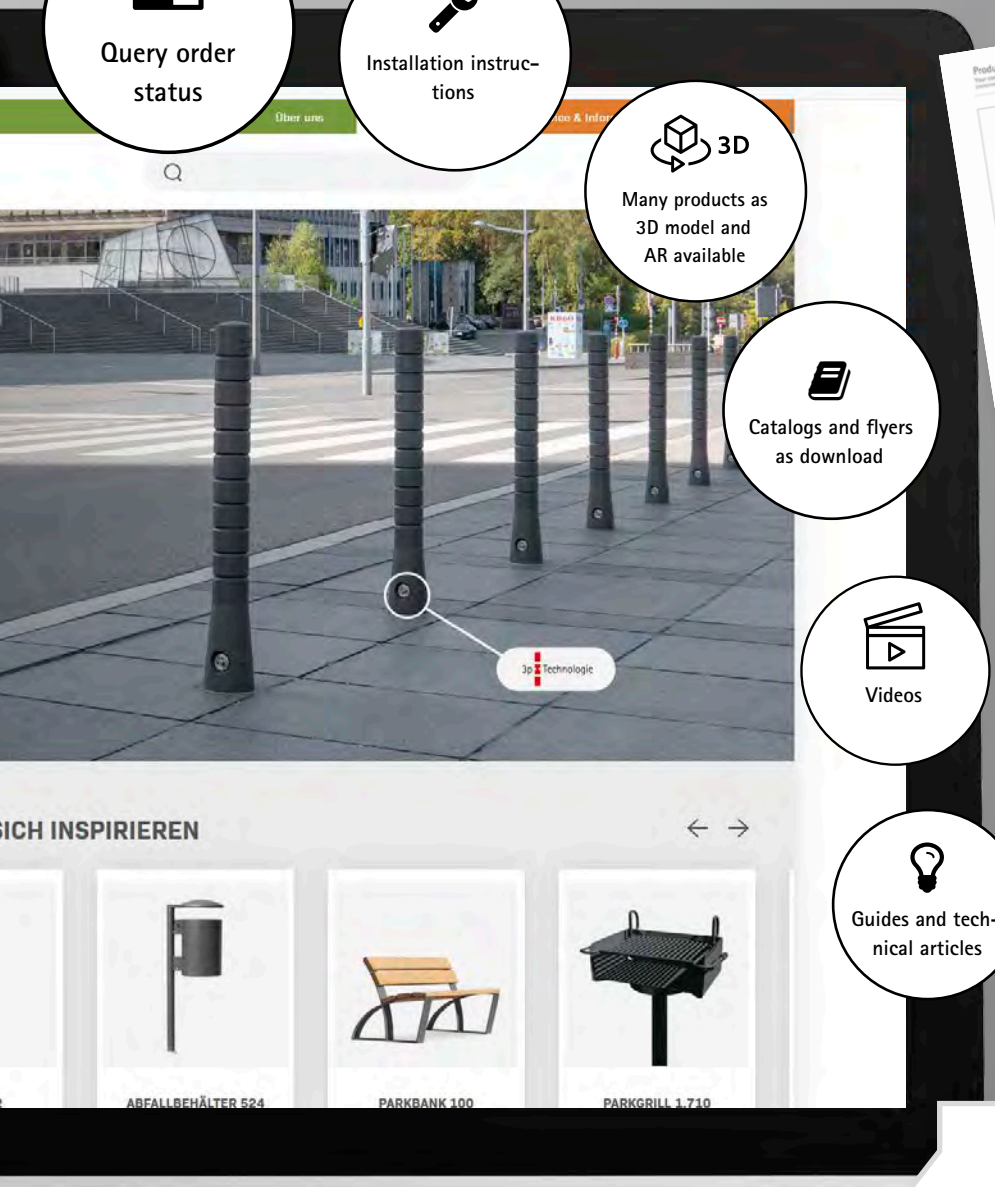
Installation instructions

3D
Many products as 3D model and AR available

Catalogs and flyers as download

Videos

Guides and technical articles



DOWNLOADCENTER:
ABES PRODUCT CATALOG,
BROCHURES & MORE

WEBSITE-VIEW IN GERMAN LANGUAGE
DUE TO TECHNICAL REASONS

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Project: Hamburg, Germany | Bollard 031 | page 34

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Project: Grevenmacher, Luxembourg | Bollard 001 | page 31

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NEW RELEASES 2025

WASTE CONTAINER 523-2

129

- identical construction to model 523-1 with ashtray
- unlocking for emptying using a triangular key

RAM PROTECTION BOLLARD 672& 675

galvanised steel

68/69

- slightly cambered upper edge
- optionally fillable with concrete

BOROFIX:

Clamping rosettes & pair of ground sleeves for almost all ABES bicycle-stands made of round and rectangular tube and flat steel

154

- protected by European patent: EP 3 608 484 B1
- Ground socket available both round and square to match the leaning bracket

ABES HEART 940

for hanging up love locks

161

- curved and welded steel construction
- welded-in corrugated round bars

BICYCLE STAND 478

with or without knee rail

150

BENCH TABLE COMBINATION 150

4 benches and 1 table

steel and robinia finger-jointed

BENCH TABLE COMBINATION 151

4 or 2 benches

110/111

- for dowelling or concrete embedment
- free standing possible

WASTE CONTAINER 510

127

- Available with or without ashtray
- with stand (optionally with 3p technology)

BICYCLE STAND 479

151

- mitre-cut
- HDPE plastic profile for material-friendly leaning

BOLLARD 098

58

BOLLARD 076-60

62

- an addition to bollard series 076
- sphere made of cast aluminium Ø 130 mm

BENCH 149-1/2

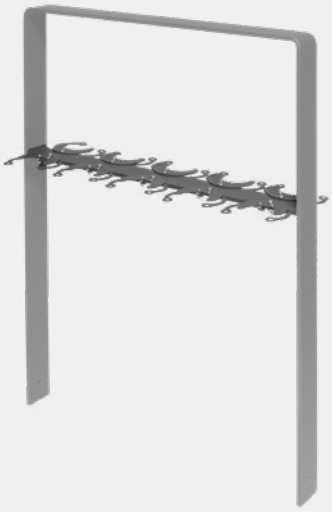
112

SCOOTER PARKER 400

Steel

152

- 10 x handlebar holder for scooter
- lockable with U-lock
- can be combined with ABES bicycle stand 453, 471, 472 and 474



BENCH 153

Steel + robinia finger-jointed

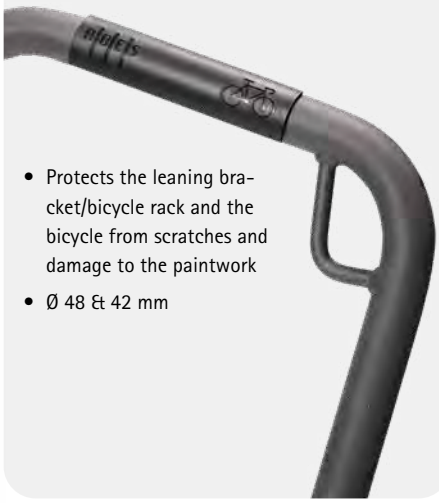
114

- Individually extendable

PAINT PROTECTION

153

- Protects the leaning bracket/bicycle rack and the bicycle from scratches and damage to the paintwork
- Ø 48 & 42 mm



WHAT YOU DON'T LIKE TO SEE

Crooked and knocked down bollards

You are certainly familiar with these pictures. Crooked or knocked over bollards can be seen in every city. No wonder, because replacing them involves an enormous amount of work. It takes several people several hours to repair them. This results in high costs.

WHAT YOU LIKE TO SEE

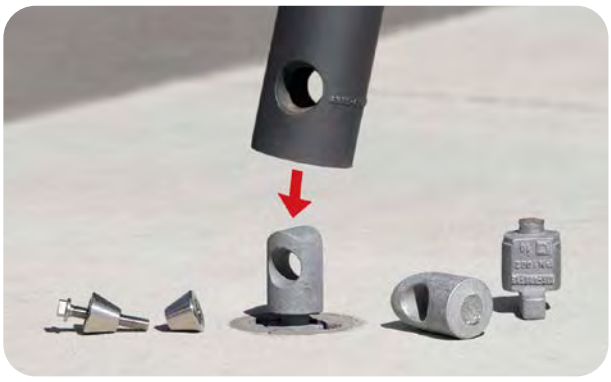
3p Technologie

Bollard with 3p-Technology

The 3p-Technology from ABES is the solution. If the post is rammed or knocked over by a vehicle, the connecting piece with predetermined breaking point gives way in a targeted manner.

The bollard is knocked over by a vehicle.

The replaceable connecting piece breaks at the predetermined breaking point. The bollard and foundation with ground shell usually remain intact.



The broken connecting piece is replaced with a new one. The bollard can be reinstalled immediately.

More informations and videos:
https://abes-online.com/en/3p-technology/

Cost comparison calculator

If a car/truck hits a bollard, the following repair costs are incurred.
The following values apply per claim.

without 3p Technologie

additional costs

- 100€ Bollard
- 60€ Flat rate vehicle/tools

TOTAL COSTS 500€*1

with 3p Technologie

3p-Technology

- 0,00€ Bollard
- 0,00€ Foundation ground shell

TOTAL COSTS 37,00€

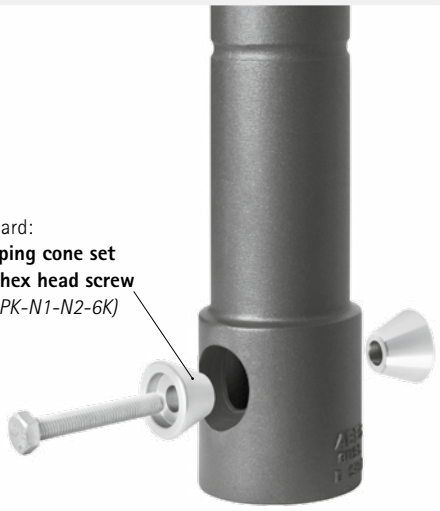
Repair costs: The costs depend on external circumstances and are exclusive of construction site equipment.

Enter and compare repair costs:
https://abes-online.com/en/3p-technology/interactive-cost-comparison-for-the-3p-technology-mounting-system/

* MAY 2025

The 3p-Technology and its individual parts

3p Technologie



Standard:
Clamping cone set with hex head screw
(3p-SPK-N1-N2-6K)

STANDARD

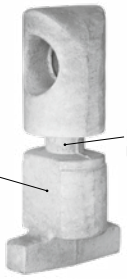
CLAMPING CONE SET with hex head screw

· Tightens the system firmly

Consisting of: M12 hexagonal head screw, N1 clamping cone without internal thread, N2 clamping cone with internal thread or N1 with M12 nut

Material: stainless steel 1.4301

Before installation, it's recommended to lubricate hex head screw and nut with a special ceramic paste. Please inquire! We will be happy to advise you.



Standard:
Junction piece without anti-roll device
(000.008)

STANDARD

JUNCTION PIECE WITH PREDETERMINED BREAKING POINT

without anti-roll device

· Links bollard to the ground shell
· Breaks at the predetermined breaking point when damaged by a vehicle
· Can be instantly replaced if damaged

Material: cast iron, galvanised

Standard:
Ground shell 300 mm
(000.001)

STANDARD

GROUND SHELL 300 mm (hybrid)*

· Extremely robust component for long-lasting concrete embedment

Material: cast iron, galvanised

Note: In order to prevent the interruption of the construction process, the ground shells can be delivered in advance, if requested.

*** The hybrid ground shell can also be used for bollards with 3p-Snaplock (see page 17).**

3p Technologie

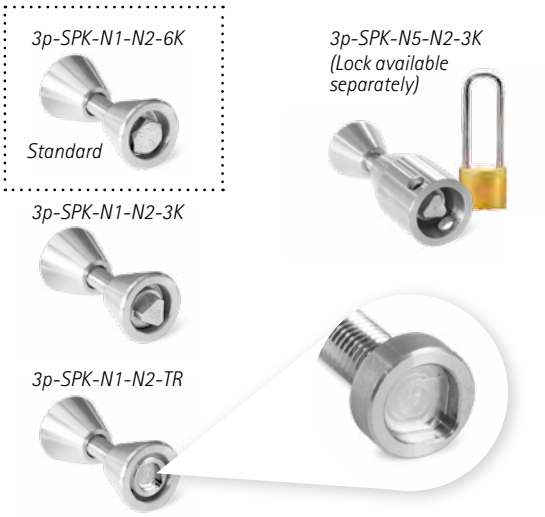
OPTIONS

3p-SPK-N1-N2-3K **Clamping cone set with triangular head screw**

3p-SPK-N5-N2-3K **Clamping cone set with lengthened clamping cone (N5)**
Additional protection with a padlock in order to prevent unauthorised removal ***(e.g. fire brigade padlock)***, possible use with triangular head screw or with hex head screw

3p-SPK-N1-N2-TR **Clamping cone set with ABES bolt (Drop shaped)**
Special head screw with drop shaped drive
Can only be opened with an optional special tools, inhence protection against unauthorised opening with standard tools *(utility model protection)*

3p-Accessories see page 172



OPTIONS

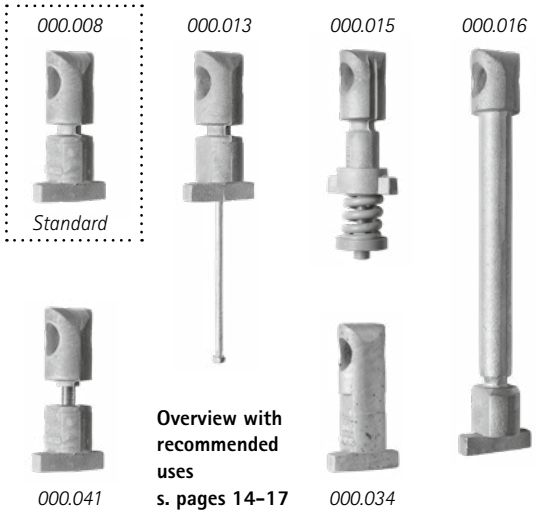
000.013 **Junction piece with anti-roll device**
The metal rod prevents the bollard from rolling away

000.015 **Junction piece with steel spring (3p-Flex)**
The bollard returns to its initial position after impact (8-10° tilt), and only breaks if the breaking load is exceeded

000.016 **Junction piece with extended connection (3p-High)**
Allows to open and close the locking mechanism with long fire brigade triangular keys without a break

000.034 **Junction piece without predetermined breaking point**
Solid protection for people and objects

000.041 **Height-adjustable junction piece**
· Height can be adjusted with a threaded rod
· Compensates for the gap between bollard and ground shell, if it ends below level, e.g. with paving stones of different heights



Overview with recommended uses
s. pages 14–17

OPTIONS

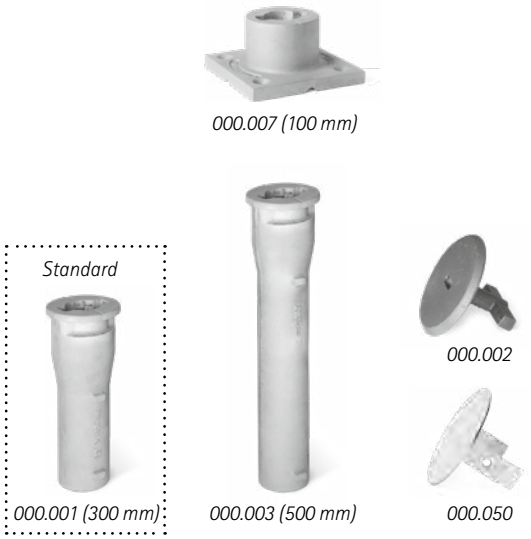
000.003 **Ground shell 500 mm (hybrid)***
For additional stability on unstabilised subsoil, cobblestone pavement etc.

000.007 **Ground shell 100 mm**
As special solution in case of small mounting depth, e.g. car parks, bridges etc.

Ground shell cover
Reduces risk of tripping, prevents soiling

000.002 Cast aluminium

000.050 S235 Steel with spring, hot-dip galvanised



For additional options, see the accessories on pages 172–174 or in the online shop

The world of 3p-Technology

The 3p-Technology from ABES is an innovative fastening system for urban furniture.

The central element of the 3p-Technology is a hybrid ground shell, which enables the following fastening methods for barrier posts made of steel and cast aluminium:

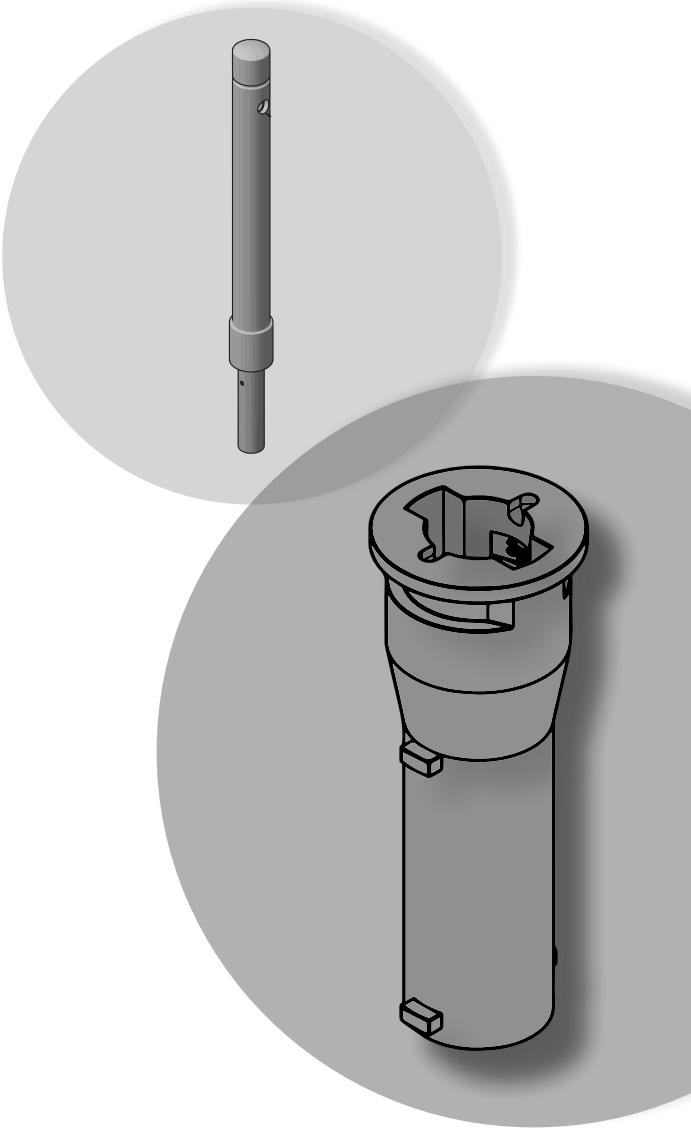
- 3p-Technology (classic): connector with cast-in predetermined breaking point
- 3p snaplock: self-latching lock with cylinder or fire brigade triangular key

The unique advantage of the connector with a predetermined breaking point is the enormous reduction in cost, because the predetermined breaking point is designed to give way from a defined applied force. This results in a significant reduction in repair and maintenance work.

Important: with the 3p-Technology, both locking systems can optionally be used in the same ground sleeve. In addition, the systems are flexibly interchangeable with one another. That is the reason for the designation „hybrid ground sleeve".

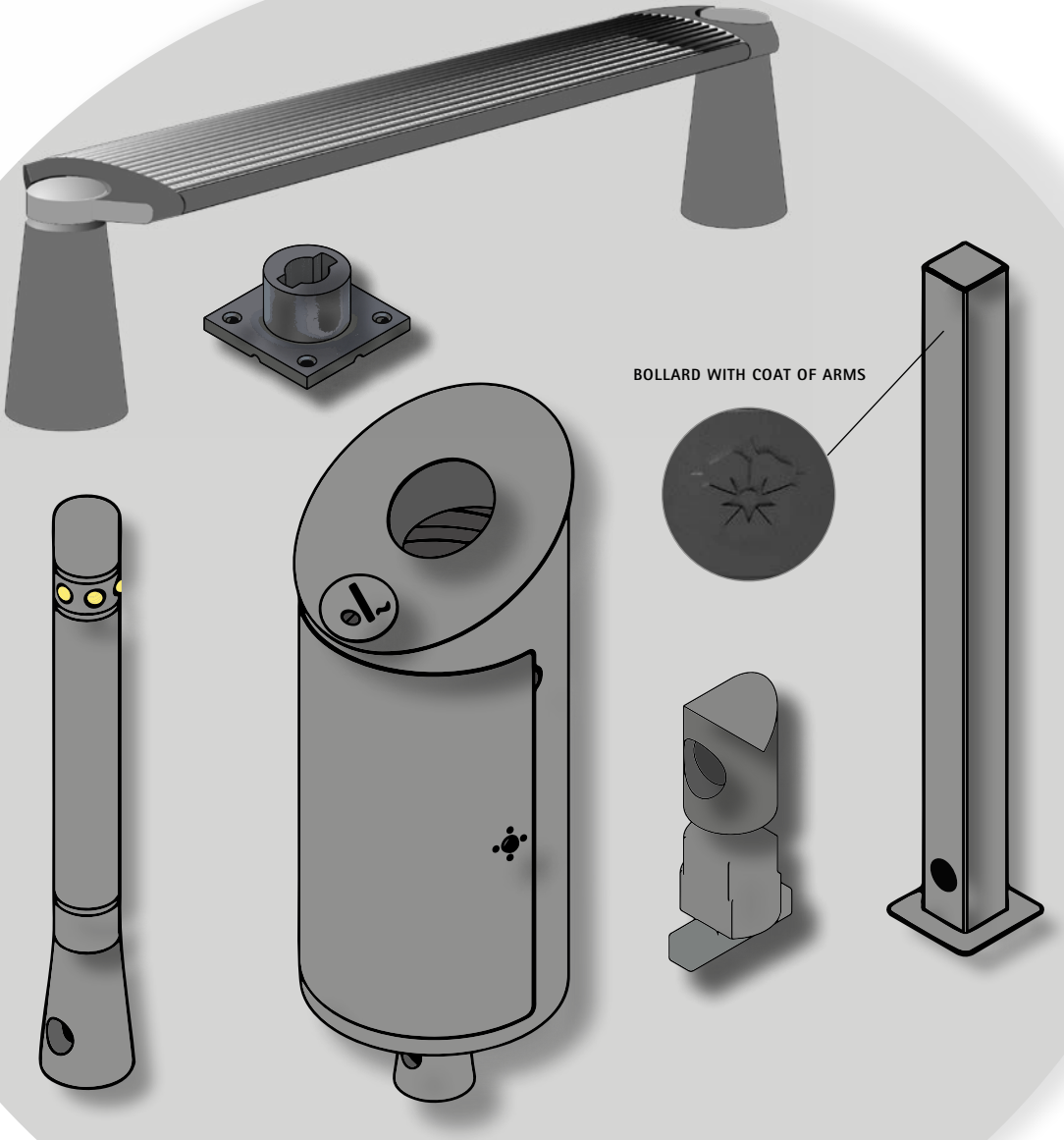
ABES manufactures barrier posts bearing the municipal coat of arms for many customers, which are available with a self-latching lock or predetermined shear point.

This design variety is unique worldwide with the 3p-Technology from ABES.



LUXEMBOURG
Kehlen, Bollard 037-2

LUXEMBOURG
Wasserbillig, Bollard 064



Germany
Rain am Lech, Railing 076

Germany
Neunkirchen (Saarland), Bollard 004

Different urban furniture on one and the same ground shell*

Almost all products with 3p-Technology are interchangeable with one another

· The connector can be fitted to any ground sleeve with 3p-Technology.

· All connectors and bolted connections are also interchangeable with one another, even subsequently.

Which products are also compatible with the ground sleeve beside the barrier posts?

- Waste bins
- Park benches
- Seating bollards
- Illuminated bollards
- Bollard ashtrays
- Park benches

Only 3p-Technology offers this much planning freedom.

More information: see page 17

**Hybrid ground shell*

**ONE GROUND SHELL*
TWO SYSTEMS**

Optimised for fire brigade access roads

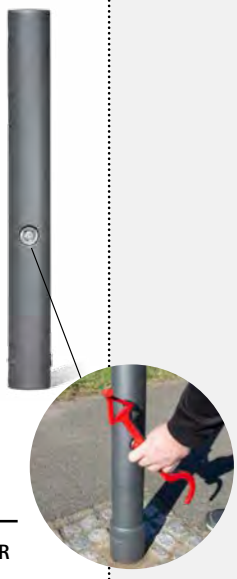
WITH PREDETERMINED BREAKING POINT

3p-High

Bolted connection at a convenient height

With all our bollards, the opening of the 3p-Technology can be moved further up. This makes it possible to open or close the lock with long fire brigade triangular keys without setting down. An extended connector is required for this variant.
With small diameters, the taper sleeve may protrude.

Please contact us if you are in any doubt.



WITHOUT PREDETERMINED SHEAR POINT

3p snaplock

The snaplock system is the result of intensive development work: Barrier posts made of cast aluminium that can be fastened in the ground shell by simply snapping in.

The advantages at a glance:

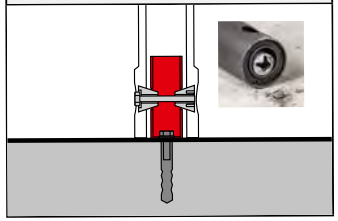
· Simple removal of the bollard
· Unlocking with a locking cylinder or triangular lock on the bollard head
· The barrier post latches automatically when inserted
· Systems with snaplock mechanism are now available with a municipal coat of arms or logo

High flexibility due to hybrid ground sleeve with integrated snap-in spigot, on which 3p-Technology products with junction pieces can also be fastened.

More information: see page 17

**Hybrid ground shell*

Fixed mounting with 3p ground shells			
Removable with predetermined breaking point			
	3p-Technology		
3p Technologie	Junction piece without anti-roll device 000.008 (Standard) 	Junction piece with anti-roll device 000.013 	Junction piece with steel spring (3p-Flex) 000.015
Properties when hit by a vehicle	· Breaks at the predetermined breaking point	· Breaks at the predetermined breaking point · Metal rod prevents the bollard from rolling away (e.g. on slopes)	· 8–10° flexure, bollard returns to original position after impact · The predetermined breaking point yields if the spring is overexpanded
Recommended areas of application	· Parked cars/Stationary traffic · Inner-city traffic · Parking places	· On slopes · Parked cars/Stationary traffic · Inner-city traffic · Parking places	· Parked cars/Stationary traffic · Delivery traffic · Parking places
Features	· Flexible, since removable (with predetermined breaking point) · Low repair costs after impacts		
Removable	Yes		
Repair costs after impactsl	Minor		
Vehicle damage after impacts	Minor to medium		

Fixed mounting with 3p ground shells		Screw-on
Removable without predetermined breaking point		Removable
3p-Technology	3p-Snaplock	3p-Multiflange
Junction piece without predetermined breaking point 000.034 	Triangular or cylinder lock 	Connecting flange (multiflange) for screwing to pad foundation
· Higher resistance to impacts as there is no breaking point	· Higher resistance to impacts as there is no breaking point	· Yields under increased pressure load
· Multiple consecutive rows can be used as simple object protection	· Critical locations, where the removal has to be done quickly in case of emergency	· Parked cars/Stationary traffic · Inner-city traffic · Parking places · Locations with no installation depth
· Flexible, since removable (without predetermined breaking point) · Higher resistance to impacts	· Self-latching, thus allowing a quick insertion · Available for selected cast aluminium models (also with cast emblem) up to ø 100 mm · Hybrid ground shell, also suited for every 3p product with a predetermined breaking point	· Low fitting costs: Pad foundation instead of a deep foundation for a ground sleeve · Bollards, clamping cones and screws are 100 % compatible with the 3p-Technology · Low repair costs after collision
Yes	Yes	Yes
High	High	Minor
High	High	Minor to medium
		

Bollard 032 *page 36*

Bundesanstalt für Straßenwesen (Federal Highway Research Institute)

3p Technologie

Report n° V4 – 61/2002 dated Sep 13, 2002

on the

Characteristics of a bollard system regarding the effort required for repair

APPLICATION

Applicant: ABES Büro Deutschland
Zur Ehreneiche 3
57250 Netphen

Application date: 27 August 2002

Subject of application: Confirmation of the effort required to repair a damaged bollard

MATERIAL

Description*: **Metropol bollard with 3p-Technology including:**

- Ground shell n° 000.001, ductile cast iron GGG, embedded at ground level
- Junction piece, ductile cast iron GGG, with hexagon bolt and nut M12, stainless steel 1.4301, n° 000.008
- Clamping cone, stainless steel 1.4301, Nr. 000.004
- Anchor, galvanised steel ST37, n° 000.013
- Bollard, cast iron GG 20, n° 001.003

Serial number: None

Condition: New

*provided by applicant

TEST

A properly installed Metropol bollard with 3p-Technology is damaged by a car (see figure 1 and figure 2).

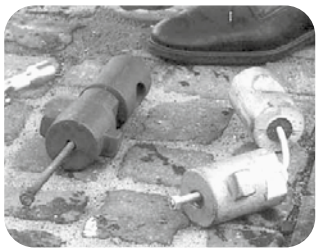
1 | Bollard before damage

2 | Damaged bollard

3 | Bollard system after damage

The junction piece yields, the bollard falls over and is held to the ground shell by an anchor. The bollard itself, the ground shell and the foundations do not show any visible signs of damage (see figure 3).

The bollard is mounted with a new junction piece within 3 minutes (see figure 4 and figure 5). After repair, the bollard is firmly fixed in place.

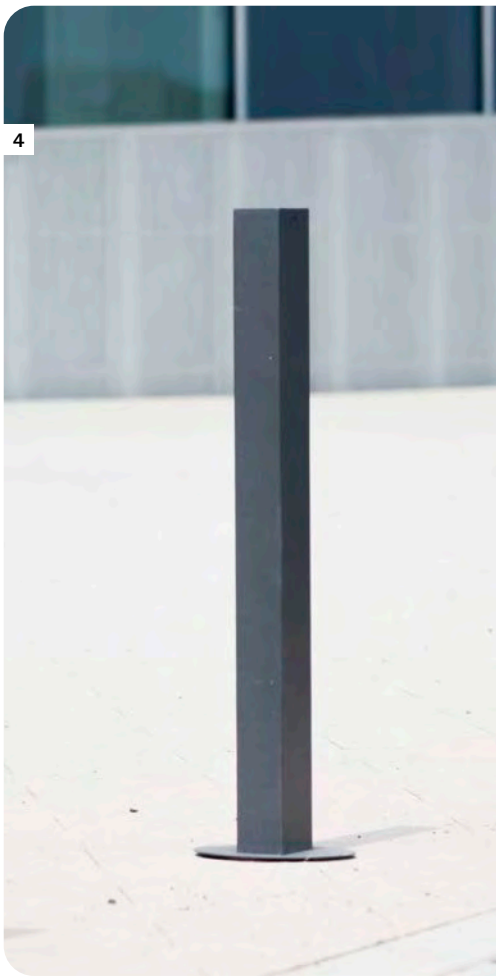


4 | Junction piece: damaged (right) and replacement (left)

5 | Repairing the bollard

(Dipl.-Phys. U. Ellmers)
Oberregierungsrat

(Dipl.-Phys. D. Heuzeroth)
Regierungsrat



1: Bollard 037–1 *Goersdorf-Dohr, Luxembourg: page 61* | **2: Bollard 001** *Grevenmacher, Luxembourg: page 31*
3: Bollard 027 *Heidelberg, Germany: page 30* | **4: Bollard 064** *Eschdorf, Luxembourg: page 57*

03

BOLLARDS

Barrier posts and bollards are indispensable components of the urban infrastructure. They serve to delimit and mark roads and footpaths and play a crucial role in road traffic safety. Whether classic or modern, unobtrusive or conspicuous – ABES offers a suitable design to enable a harmonious overall picture to be achieved in any surroundings.

In order to cope with the challenges of daily road traffic that often place heavy loads on the bollards and cause high maintenance costs, ABES brought the 3p-Technology onto the market in 1999. This alternative to a fixed installation enables the fast, simple and inexpensive repair of damaged posts. The bollards are ready for use again immediately and the repair costs are significantly reduced.

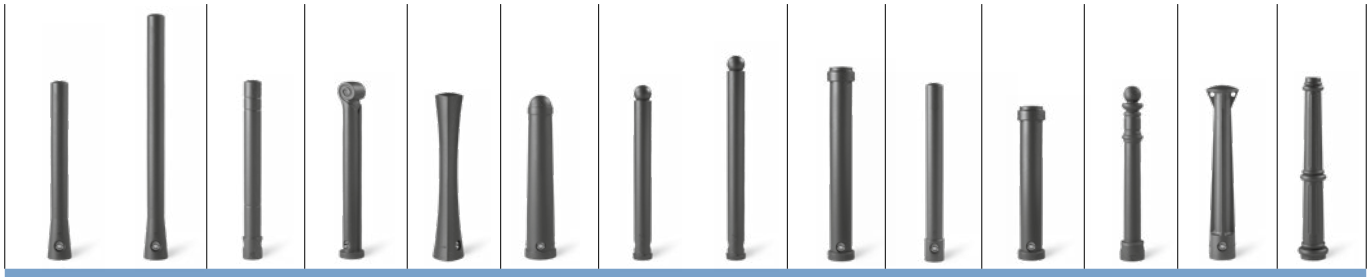
CAST ALUMINIUM

		001	001-1	002	003	004	005-1	005-2	006-1	006-2	007	008
Catalogue page		**31**	**31**	**37**	**52**	**49**	**46**	**46**	**38**	**39**	**45**	**31**
Available in the online shop as a 3D model and for AR		3D			3D	3D		3D	3D			3D
Material	Cast aluminium (with powder coating)	■	■	■	■	■	■	■	■	■	■	■
	Steel S235 (galvanised)	-	-	-	-	-	-	-	-	-	-	-
	Steel S235 (galvanised with powder coating)	-	-	-	-	-	-	-	-	-	-	-
	Stainless steel 1.4301 (smoothed, grain 240)	-	-	-	-	-	-	-	-	-	-	-
	Stainless steel 1.4301 (pickled/glass bead blasted)	-	-	-	-	-	-	-	-	-	-	-
	Stainless steel 1.4301 (with powder coating)	-	-	-	-	-	-	-	-	-	-	-
	Rubber granulate	-	-	-	-	-	-	-	-	-	-	-
Mounting	Fixed mounting (concrete embedment)	001.001	001.011	002.001	003.001	004.001	005.001	005.201	006.001	006.201	007.001	008.001
	Removable with 3p-Technology	001.020	001.040	002.020	003.020	004.020	005.020	005.220	006.020	006.220	007.020	008.020
	Removable with 3p-High	○	-	○	○	004.030	○	○	○	○	007.030	○
	Removable with 3p-Snaplock	○	-	-	-	-	-	-	-	-	-	○
	Option: Fold-down	-	-	-	-	-	-	-	-	-	-	-
	Option: With flanges to enable screwing	-	-	-	-	-	-	-	-	-	-	-
	Ground rosette included with 3p-Technology	-	-	-	-	-	-	-	-	-	-	-
	Ground rosette as an option	-	-	-	-	-	-	-	-	-	-	-
Measurements	Height above ground level (mm)	870	520	820	738	820	890	900	870	870	905	870
	Diameter (top/bottom, mm)	85/120	85/120	140	144/120	112/180	70/170	80/140	95/120	95/120	84/98	85/120
	Compatible 3p ground shells: 100 mm/300 mm (standard)/500 mm	○/●/○	○/●/○	○/●/○	○/●/○	○/●/○	○/●/○	○/●/○	○/●/○	○/●/○	○/●/○	○/●/○
	Weight (approx. in kg, for fixed mounting + 1.5 kg)	11	7	15,5	10	11,8	10,5	13	11	11	10	11
	Design	hrd	hrd	hrd	hrd				hrd	hrd		hrd

CAST ALUMINIUM

		021-1	021-2	022	023	024	025	027-1	027-2	027-7	027-8	028	029
		600 mm	900 mm					600 mm	870 mm	Railing bollard			
Catalogue page		**41**		**51**	**45**	**41**	**47**	**30**		**72**		**48**	**43**
New 2025													
Available in the online shop as a 3D model and for AR									3D	3D		3D	
Material	Cast aluminium (with powder coating)	■	■	■	■	■	■	■	■	■	■	■	■
	Steel S235 (galvanised)	-	-	-	-	-	-	-	-	-	-	-	-
	Steel S235 (galvanised with powder coating)	-	-	-	-	-	-	-	-	-	-	-	-
	Stainless steel 1.4301 (smoothed, grain 240)	-	-	-	-	-	-	-	-	-	-	-	-
	Stainless steel 1.4301 (pickled/glass bead blasted)	-	-	-	-	-	-	-	-	-	-	-	-
	Stainless steel 1.4301 (with powder coating)	-	-	-	-	-	-	-	-	-	-	-	-
	Rubber granulate	-	-	-	-	-	-	-	-	-	-	-	-
Mounting	Fixed mounting (concrete embedment)	021.001.060	021.001.090	022.001	023.001	024.001	025.001	027.001.060	027.001	027.701	027.801	028.001	029.001
	Removable with 3p-Technology	021.020.060	021.020.090	022.020	023.020	024.020	025.020	027.001.060	027.020	027.720	027.820	028.020	029.020
	Removable with 3p-High	-	○	○	023.030	○	○	-	027.030	-	-	○	○
	Removable with 3p-Snaplock	-	-	-	-	-	-	-	027.040/050	-	-	-	-
	Option: Fold-down	-	-	-	-	-	-	-	027.005	-	-	-	-
	Option: With flanges to enable screwing	-	-	-	-	-	-	-	-	-	-	-	-
	Ground rosette included with 3p-Technology	-	-	-	-	-	-	-	-	-	-	-	-
	Ground rosette as an option	-	-	-	-	-	-	-	-	-	-	-	-
Measurements	Height above ground level (mm)	600	900	935	910	870	850	600	870	870	870	900	900
	Diameter (top/bottom, mm)	86/100		140	85/100	80/100	85/140	85/98		85/98	85/98	90	80/100
	Compatible 3p ground shells: 100 mm/300 mm (standard)/500 mm	○/●/○		○/●/○	○/●/○	○/●/○	○/●/○	○/●/○		○/●/○	○/●/○	○/●/○	○/●/○
	Weight (approx. in kg, for fixed mounting + 1.5 kg)	7,8	10,9	12	10,5	10,7	10,7	7	10	11	11	12,5	10,4
	Design					tw		hrd		hrd			

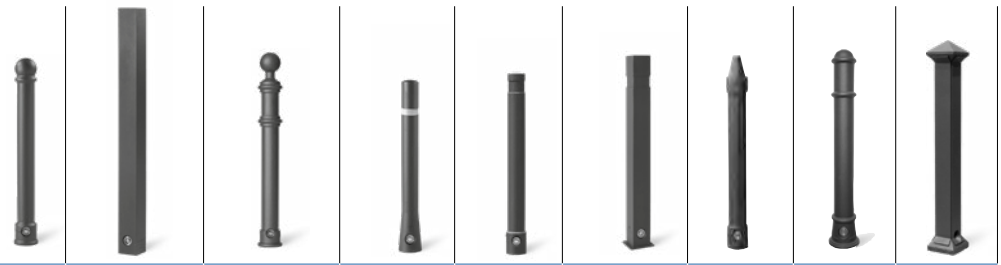
■ = Material | ● = Standard | ○ = Option (with a surcharge) | - = Not available | hrd = hammer.runge.design | tw = Thomas Wüsten | nt = Nico Thurm



009-1	009-2	010	011	012	013	014-1	014-2	015	016	017	018	019	020
870 mm	1200 mm					900 mm	1000 mm						
31		30	50	37	49	43		40	30	40	44	53	51
			3D	3D							3D		
■	■	■	■	■	■	■	■	■	■	■	■	■	■
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
009.001	009.001.120	010.001	011.001	012.001	013.001	014.001	014.001.100	015.001	016.001	017.001	018.001	019.001	020.001
009.020	009.020.120	010.020	011.020	012.020	013.020	014.020	014.020.100	015.020	016.020	017.020	018.020	019.020	020.020
○	○	○	○	012.030	013.030	○	○	○	○	○	○	○	○
○	-	○	-	-	-	-	-	-	○	-	-	-	-
-	-	010.005	-	-	-	-	-	-	016.005	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	000.030	000.030	-	-	-	-	-	-
870	1200	870	860	820	820	900	1000	950	870	750	850	850	895
85/ 120		85/98	102 × 96/108	140	125/160	85/98		105	85/98	105	90/130	160	74/102
○/●/○		○/●/○	○/●/○	○/●/○	○/●/○	○/●/○		○/●/○	○/●/○	○/●/○	○/●/○	○/●/○	○/●/○
11	13	10	11,5	15,5	11,9	10	11,5	14	10	12	12,9	11,5	10
hrd		hrd	hrd	hrd					hrd				

031-1	031-2	032	034	037-1	038	039	040	041	043	055-1	057	058	060	061
870 mm	1200 mm													
34		36	40	55	42	48	42	50	31	55	54	54	36	35
3D		3D						3D					3D	
■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
031.001	031.001.120	032.001	034.001	037.001	038.001	039.001	040.001	041.001	043.001	055.001	057.001	058.001	060.001	061.001
031.020	031.020.120	032.020	034.020	037.020	038.020	039.020	040.020	041.020	043.020	055.020	057.020	058.020	060.020	061.020
031.030	○	-	○	-	○	○	○	○	○	-	-	-	-	061.030
○	-	-	-	-	-	-	-	-	○	-	-	-	-	○
○	○	○	-	-	-	-	-	-	-	-	-	-	-	○
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	●	-	-	-	-	-	-	-	-	-	-	-	-
-	-	○	-	-	-	-	-	-	-	-	-	-	-	-
870	1200	860	780	720	830	870	900	925	870	600	1000	1000	750	870
98		96 × 100	90/100	220	80/100	61/80/170	82/100	185	85/120	180	150	250	102/140	98
○/●/○		○/●/○	○/●/○	○/●/○	○/●/○	○/●/○	○/●/○	○/●/○	○/●/○	○/●/○	○/●/○	○/●/○	○/●/○	○/●/○
15,8	21	8	7,4	22	8,5	11	10,5	15	11	13,5	30	29	11	15,5
									hrd				nt	

CAST ALUMINIUM



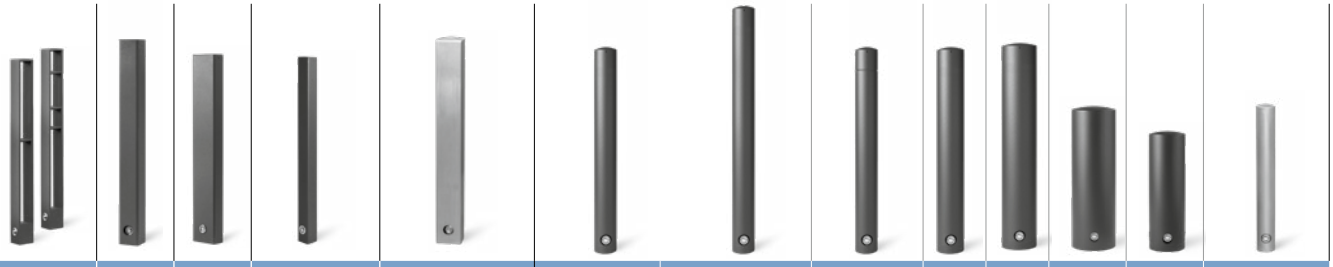
		062	064	068	069	070	071	093	097	098
Catalogue page		**44**	**57**	**47**	**56**	**56**	**57**	**58**	**59**	**58**
New 2025								2025	2025	2025
Available in the online shop as a 3D model and for AR							3D			
Material	Cast aluminium (with powder coating)	■	■	■	■	■	■	■	■	■
	Steel S235 (galvanised)	-	-	-	-	-	-	-	-	-
	Steel S235 (galvanised with powder coating)	-	-	-	-	-	-	-	-	-
	Stainless steel 1.4301 (smoothed, grain 240)	-	-	-	-	-	-	-	-	-
	Stainless steel 1.4301 (pickled/glass bead blasted)	-	-	-	-	-	-	-	-	-
	Stainless steel 1.4301 (with powder coating)	-	-	-	-	-	-	-	-	-
	Rubber granulate	-	-	-	-	-	-	-	-	-
Mounting	Fixed mounting (concrete embedment)	062.001	064.001	068.001	069.001	070.001	071.001	093.001	097.001	098.001
	Removable with 3p-Technology	062.020	064.020	068.020	069.020	070.020	071.020	093.020	097.020	098.020
	Removable with 3p-High	○	○	○	○	○	○	○	○	○
	Removable with 3p-Snaplock	-	-	-	-	-	-	-	-	-
	Fixed mounting I	-	-	-	-	-	-	-	-	-
	Fixed mounting II	-	-	-	-	-	-	-	-	-
	Option: With flanges to enable screwing	-	-	-	-	-	-	-	-	-
	Ground rosette included with 3p-Technology	-	●	-	-	-	●	-	-	-
	Ground rosette as an option	-	○	-	-	-	○	-	-	-
	Individual height	-	-	-	-	-	-	-	-	-
Measurements	Height above ground level (mm)	910	1200	950	800	880	937	900		
	Diameter (top/bottom, mm)	104/115	100 × 100	82/97	85/120	83/98	90 × 90	84/100	90 x140	85 x 85
	Compatible 3p ground shells: 100 mm/300 mm (standard)/500 mm	○/●/○	○/●/○	○/●/○	○/●/○	○/●/○	○/●/○	○/●/○	○/●/○	○/●/○
	Weight (approx. in kg, for fixed mounting+1.5 kg)	10	25	8,2	9	10	14	9	10	16
	Design									

STEEL+STAINLESS STEEL

		076-10		076-20		076-30		076-40	076-50	076-60	079		672		675	
		Flat		Slightly curved		Round		Spherical	Round/Ring	Spherical						
Catalogue page		**62-63**									**66**		**68**		**69**	
New 2025										2025			2025		2025	
Available in the online shop as a 3D model and for AR						3D					3D					
Material	Cast aluminium (with powder coating)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Steel S235 (galvanised)	■	-	■	-	■	-	-	-	-	-	-	■	-	■	-
	Steel S235 (galvanised with powder coating)	-	■	-	■	-	■	■	■	■	■	-	-	■	-	■
	Stainless steel 1.4301 (smoothed, grain 240)	○	○	○	○	○	○	-	-	-	-	■	○	○	○	○
	Stainless steel 1.4301 (with powder coating)	○	○	○	○	○	○	○	○	○	-	-	-	-	-	-
	Rubber granulate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mounting	Fixed mounting (concrete embedment)	076.201	076.301	076.001	076.101	076.401	076.501	076.701	076.801	076.901	079.201	079.301	672.001	672.101	675.001	675.101
	Removable with 3p-Technology	076.220	076.320	076.020	076.120	076.420	076.520	076.720	076.820	076.920	079.220	079.320	-	-	-	-
	Removable with 3p-Technology (LED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Removable with 3p-High	○	○	○	○	○	○	○	○	○	○	○	-	-	-	-
	Removable with 3p-Snaplock	○	○	○	○	○	○	○	○	○	079.240	079.340	-	-	-	-
	Option: With flanges to enable screwing	○	○	○	○	○	○	○	○	○	○	○	-	-	-	-
	Ground rosette included with 3p-Technology	●	●	●	●	●	●	●	●	●	-	-	-	-	-	-
	Ground rosette as an option	○	○	○	○	○	○	○	○	○	-	-	-	-	-	-
	Individual height	○		○		○		○	○	○	○		○		○	
Measurements	Height above ground level (mm)	940		952		980		1020	871	990	1000		1000		1000	
	Diameter (top/bottom, mm)	76								76	108		220		273	
	Compatible 3p ground shells: 100 mm/300 mm (standard)/500 mm	○/●/○									○/●/○		-		-	
	Weight (approx. in kg, for fixed mounting+1.5 kg)	7,5		7,5		7,5		10	7,5	8 ,5	13		40		50	
	Design															

■ = Material | ● = Standard | ○ = Option (with a surcharge) | - = Not available | hrd = hammer.runge.design | tw = Thomas Wüsten | nt = Nico Thurm

STEEL+STAINLESS STEEL



059		063	065	066		074		042-1		042-2		056		095	096	037-2	055-2	089	
								1000 mm		1200 mm									
66		64	65	65		64		60-61											
3D			3D																
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
■	-	-	-	■	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	■	■	■	-	■	■	-	■	-	■	-	■	-	■	■	■	■	■	-
○	○	○	○	○	○	○	■	-	■	-	■	-	■	-	-	-	-	-	-
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	■
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
059.001	059.101	063.001	065.001	066.001	066.101	074.001	074.101	042.001	042.101	042.001.120	042.101.120	056.001	056.101	095.001	096.001	-	-	089.001	089.101
059.020	059.120	063.020	065.020	066.020	066.120	074.020	074.120	042.020	042.120	042.020.120	042.120.120	056.020	056.120	095.020	098.020	037.120	055.120	089.020	089.120
-	-	○	○	○	○	○	○	042.030	042.130	042.030.120	042.130.120	056.030	056.130	○	○	-	-	○	○
-	-	○	○	○	○	-	-	○	○	○	○	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	037.101	055.101	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	037.102	055.102	-	-
-	-	-	-	-	-	-	-	○	○	○	○	○	○	○	○	-	-	○	○
●	●	●	●	●	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-
○	○	○	○	○		-	-	-	-	-	-	-	-	-	-	-	-	-	-
○		○	○	○		○		○		○		○		○	○	○	○	○	
900		1000	900	900		1000		1000		1200		1000		1000	1000	720	600	750	
80 × 80		100 × 100	70 × 140	70 × 70		120 × 120		108				108		139	168	220	180	90	
○/●/○		○/●/○	○/●/○	○/●/○		○/●/○		○/●/○				○/●/○		○/●/○	○/●/○	○/●/○	○/●/○	○/●/○	
13,5		20	13	8,5		15		10		12		11,5		17	23	22	13,5	9	

LIGHTING-BOLLARD

210 LED	220 LED	230 LED	240 LED	265 LED-A	265 LED-B	266 LED	267LED	026-1	026-2	665	525	300-1	300-2
4000 K	4000 K	4000 K	2700k	4000k	4000 K	4000 K	400K	600 mm	900 mm	Ladepoller	Pollerascher	Versorgungspoller	
80	81	82	83	84	84	85	87	76		77	67	78	79
											3D	3D	
■	■	■	■	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	■	■	■	■	-	-	■	■	■	■
-	-	-	-	○	○	○	○	-	-	-	■	-	-
-	-	-	-	○	○	○	○	-	-	-	○	-	-
-	-	-	-	-	-	-	-	■	■	-	-	-	-
-	-	-	-	-	-	-	●	026.001	026.101	-	●	-	-
-	-	-	-	-	-	-	-	026.020	026.120	-	●	-	-
210.120	220.120	230.120	240.120	265.120	265.220	266.120	267.020	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	○	○	○	●	-	-	●	●	300.010	300.020
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	●	●	●	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	○	○	○	○	-	-	○	○	○	○
870	600	1000	900	900	900	900	1060	600	900	900	1000	1335	1340
98	180	150	85/120	70 x140	70 x140	70/70	101,6	200	200	70 × 140	108	245	245
○/●/○	○/●/○	○/●/○	○/●/○	○/●/○	○/●/○	○/●/○	○/●/○	○/●/○	○/●/○	-	○/●/○	-	-
15,5	13,5	20	10	13	13	8,5	10	13	14,5	16	13,5	56,5	56,5
			hrd										

Mounting variants

ABES 3p-Technology *(standard)*

3p Technologie

Standard system with junction piece and predetermined breaking point

3p-Technology is by far the most frequently ordered type of mounting. It is used in more than 85 % of cases, because it significantly reduces costs.

3p-Technology (standard)
(see pages 10–19)

3p-High

Fixed mounting

Screw-on

Fold-down*

*The embeddable fold-down version is currently available for the following bollards: 001, 010, 016, 027-1 / -2, 031, 032, 059, 061

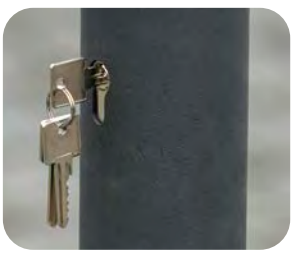
ABES 3p-Snaplock

3p Technologie

Self-latching fastening system for bollards. Quick positioning into the ground shell, easy removal without bending over.

Easy and intuitive removal with little effort.

Bollards with junction pieces (3p-Technology) fit in the same ground shell.



Available with triangular or cylinder lock

- Fastening system without predetermined breaking point
- Optionally with triangular lock or locking cylinder
- Supplied complete with hybrid ground sleeve* for setting in concrete
- Selected bollard models
- made of cast aluminium (also with cast-in coat of arms), available up to a diameter of 100 mm

* Suitable for the new 3p-Snaplock as well as for the proven 3p-Technology.

Finishing variants

Paintwork, reflective tapes, finishings, eyelets, chains etc. are available on request.

1 ring – reflective tape

3 rings – reflective tape

1 ring – powder-coated

5 rings – powder-coated

With eyelets & chain

Stainless steel: smoothed, grain 240 (standard)

Cat's eye reflectors

Door stopper

ABES 3p-Multiflange

3p Technologie

Bollard fastening system using a screwed connection flange to a pad foundation.

Top: Threaded sleeve is set in pad foundation.

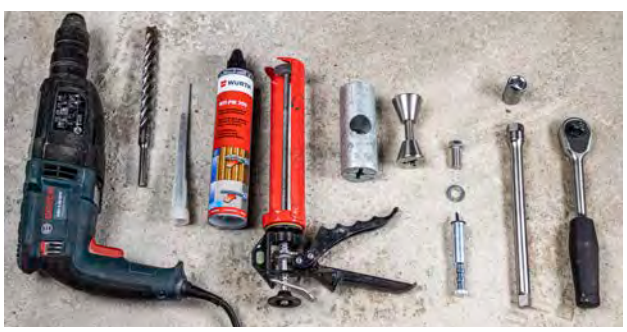
Bottom: Connecting flange is fastened to the threaded sleeve with an M12 hex head screw.

Bollard and connecting flange are firmly connected to each other by means of clamping cones and a screw (hexagonal, drop shape or triangular screw).

The flange plate gives way when force is applied, thus protecting the bollard and foundation, and is compatible with 3p technology. Concealed bolted connection: internal, not visible from the outside.

Cost-saving:

- point foundation suffices
- Flange can be exchanged quickly, bollard is reusable
- Paving usually remains intact
- Low storage costs

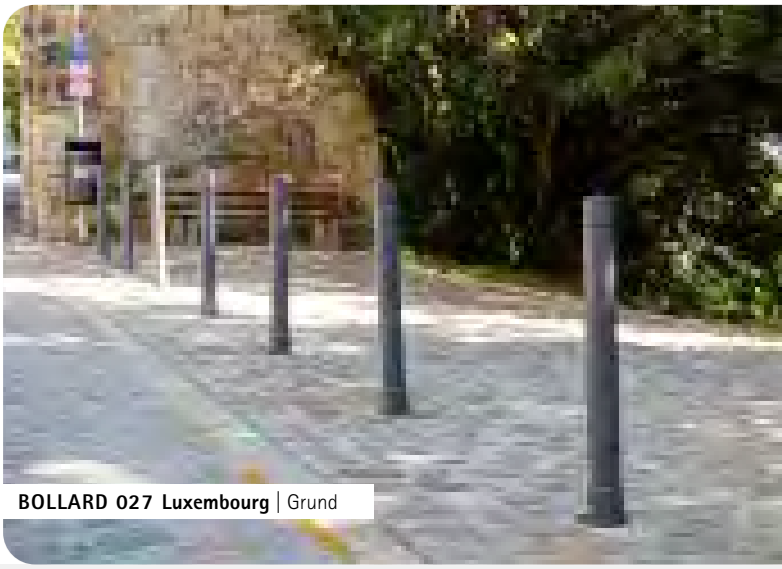


Your personal ABES bollard

Give your bollard an individual touch and customize it with your coat of arms, your company logo or useful pictograms!

- Applicable for all cast aluminium bollards if their geometry allows it.
- From a specific order volume, depending on the shape of the emblem, we bear the non-recurring costs for the mold. Afterwards, single bollards with emblem can also be ordered at list price.

We assist you in designing your personal bollard.
Feel free to contact us!



BOLLARD 027 Luxembourg | Grund

Examples:

Business Campus Munich

City of Berlin-Neukölln

City of Bad-Langensalza

City of Würzburg

City of Schwaan

City of Hamburg

City of Diddeleng

City of Luxemburg - Kirchberg

City of Tuttlingen

City of Useldeng

City of Bollendorf

City of Potsdam

City of Schengen

City of Luxembourg

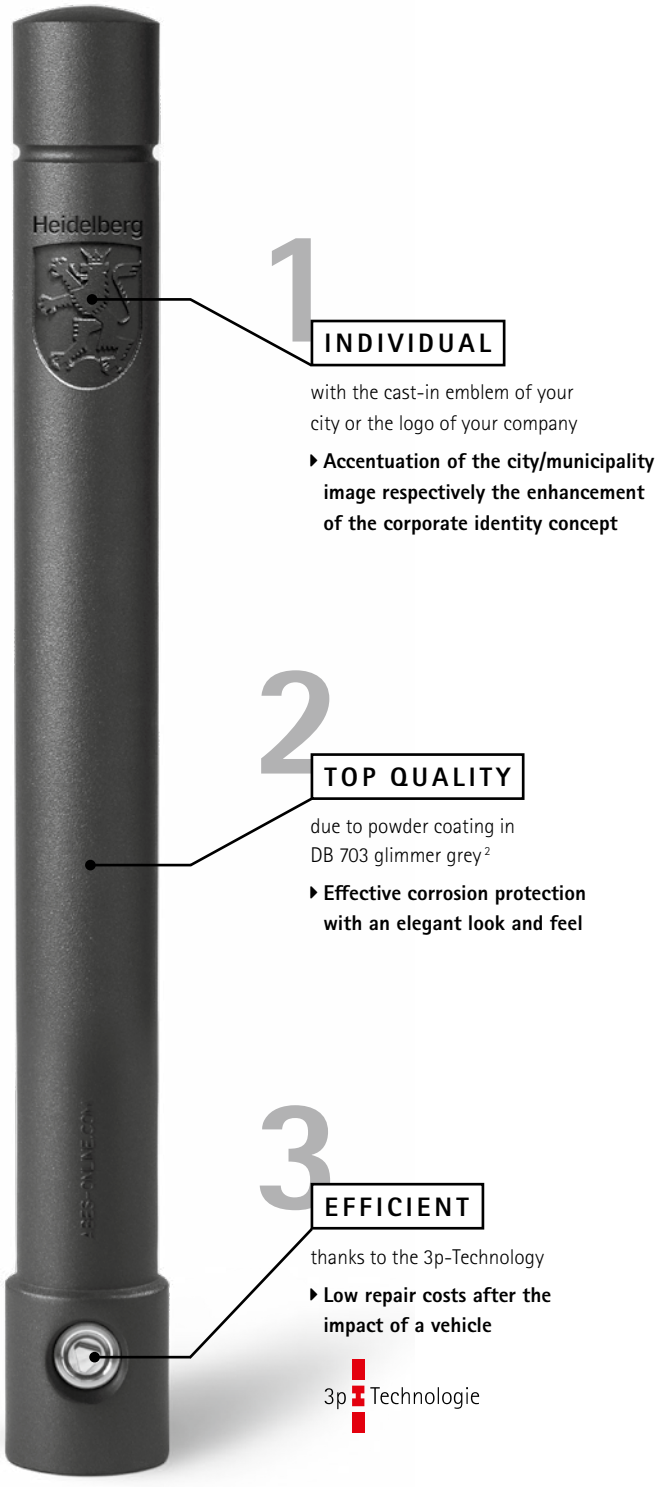
Airport Hamburg

City of Wormeldange

INDIVIDUAL. TOP QUALITY. EFFICIENT.

3 reasons for removable bollards with coat of arms/logo:

Individual concept. Top quality processing.
Efficient maintenance costs.



1 **INDIVIDUAL**

with the cast-in emblem of your city or the logo of your company

- **Accentuation of the city/municipality image respectively the enhancement of the corporate identity concept**

2 **TOP QUALITY**

due to powder coating in DB 703 glimmer grey[2]

- **Effective corrosion protection with an elegant look and feel**

3 **EFFICIENT**

thanks to the 3p-Technology

- **Low repair costs after the impact of a vehicle**

3p Technologie

THE ABES CLASSICS

Design: hammer.runge.design

Special models

Cat's eye reflectors, one powder-coated ring or one ring of reflective tape *(f. l. t. r.)*

Also available for other models *(see pages 27 and 175 f).*

With cylindrical base

BESTSELLER

3D

016 027 010

WITH CYLINDRICAL BASE

CLASSICS

Cast aluminium

Specifications

Cylindrical cast aluminium bollard with a slightly domed top and a cylindrical base. Smooth or with one or three circumferential groove(s).
(See online shop for product-related texts)

Mounting

Removable with 3p-Technology

Alternative: concrete embedment

Finish

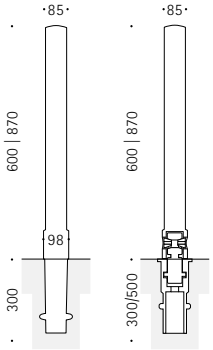
Powder coating in standard RAL colours or DB 703

			Fixed mounting	3p-Technology
Bollard 016	870 mm	0 grooves	**016.001**	**016.020**
Bollard 027-1	600 mm	1 groove	**027.001.060**	**027.020.060**
Bollard 027-2	870 mm	1 groove	**027.001**	**027.020**
Bollard 010	870 mm	3 grooves	**010.001**	**010.020**

CA 3D

016 027-1 027-2 010

3p Technologie



For available accessories and special designs, refer to pages 174–176 →

With conical base

009 | 043 | 008 | 001 | 001-1

All ABES Classics also available as **lighting bollards with LED strip or spots** *(e.g. Bollard 008 as an Lighting-Bollard 240 LED, see p. 83)*

WITH CONICAL BASE

CLASSICS

Cast aluminium

Specifications

Cylindrical cast aluminium bollard with a slightly domed top and a conical base. Smooth or with one, three or ten circumferential groove(s).
(See online shop for product-related texts)

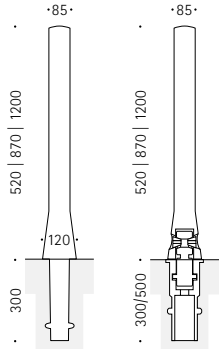
Mounting

Removable with 3p-Technology

Alternative: concrete embedment

Finish

Powder coating in standard RAL colours or DB 703



			Fixed mounting	3p-Technology
Bollard 009-1	870 mm	0 grooves	**009.001**	**009.020**
Bollard 009-2	1200 mm	0 grooves	**009.001.120**	**009.020.120**
Bollard 043	870 mm	1 groove	**043.001**	**043.020**
Bollard 008	870 mm	3 grooves	**008.001**	**008.020**
Bollard 001	870 mm	10 grooves	**001.001**	**001.020**
Bollard 001-1	520 mm	5 grooves	**001.011**	**001.040**

CA 3D

009-1 | 009-2 | 043 | 008 | 001 | 001-1

3p Technologie

RAL colors and detailed information can be found on the back cover fold-out →

1 **BOLLARD 001** **Schengen,** *Luxembourg*
2 **BOLLARD 016** **Ehnen,** *Luxembourg*
3 **BOLLARD 043** **Flaxweiler,** *Luxembourg*
4 **BOLLARD 043** **Monnerich,** *Luxembourg*
5 **BOLLARD 031** **Hamburg,** *Germany*
6 **BOLLARD 001** **Luxembourg City,** *Luxembourg*

For available accessories and special designs, refer to pages 174–176

THE ABES CLASSICS

4

5

6

RAL colors and detailed information can be found on the back cover fold-out →

BOLLARD 031

031-1 | *Cast aluminium* | *870 mm*
031-2 | *Cast aluminium* | *1200 mm*

Specifications

Cylindrical bollard made of cast aluminium, with a flat top.

Mounting

Removable with 3p-Technology
Alternative: concrete embedment

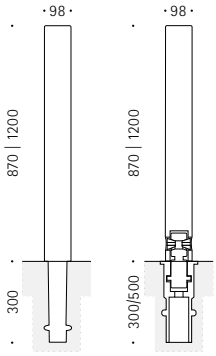
Finish

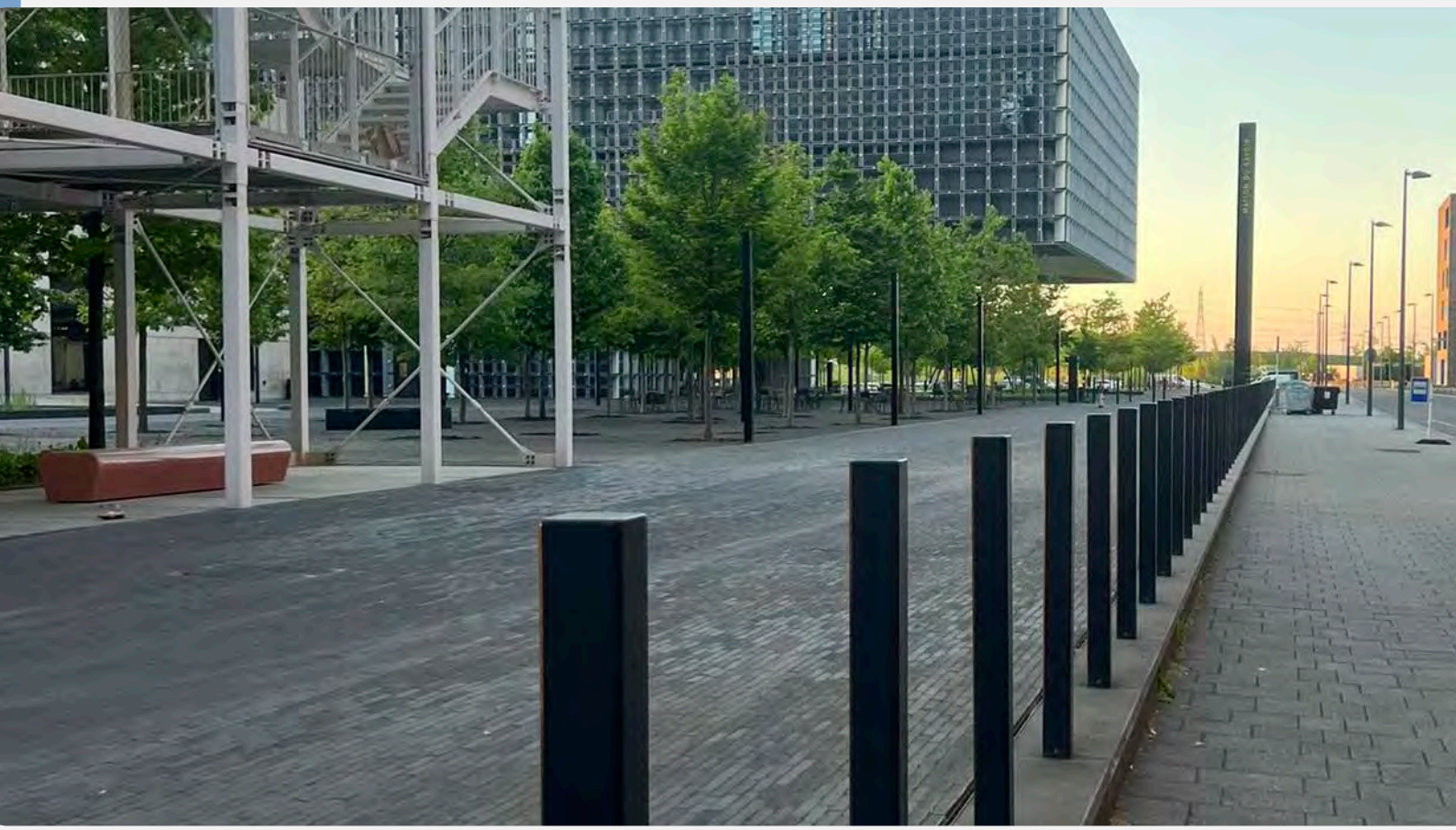
Powder coating in standard RAL colours or DB 703

Bollard 031-1 also available as **Lighting Bollard 210 LED**
(see p. 80)

	Fixed mounting	3p-Technology
Bollard 031-1 870 mm	**031.001**	**031.020**
Bollard 031-2 1200 mm	**031.001.120**	**031.020.120**

CA 3D 3p Technologie





For available accessories and special designs, refer to pages 174-176 →

BOLLARD 061

Cast aluminium | 870 mm

Specifications

Cylindrical cast aluminium bollard with a flat top and a cast-in circumferential groove.

Mounting

Removable with 3p-Technology

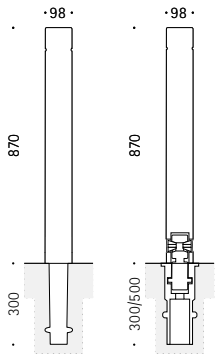
Alternative: concrete embedment

Finish

Powder coating in standard RAL colours or DB 703

Note

Identical with bollard 031, additionally: cast-in circumferential groove



		Fixed mounting	3p-Technology
Bollard 061	870 mm	**061.001**	**061.020**

CA

3p Technologie

1 BOLLARD 066
with 3p-Technology
DB 703, 900 mm
Art. N° 066.020
Esch sur Alzette *Luxembourg*

2–3 BOLLARD 031-1
with 3p-Technology
DB 703, 870 mm
Art. N° 031.020
Rotondes *Luxembourg*

RAL colors and detailed information can be found on the back cover fold-out →

BOLLARD 060

Cast aluminium | 750 mm

Specifications

Cylindrical bollard made of cast aluminium with a flat top and a narrowed upper part with four intermitting, protruding rings.

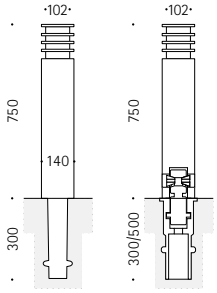
Mounting

Removable with 3p-Technology

Alternative: concrete embedment

Finish

Powder coating in standard RAL colours or DB 703



	Fixed mounting	3p-Technology
Bollard 060	**060.001**	**060.020**

CA 3D 3p Technologie

BOLLARD 032

Cast aluminium | 860 mm

Specifications

Rectangular cast aluminium bollard fitted flush with the top, with inward vertical walls.

Mounting

Removable with 3p-Technology

Alternative: concrete embedment

Finish

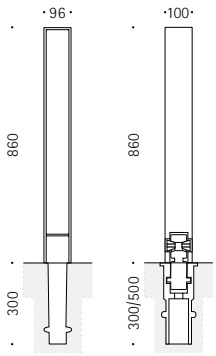
Powder coating in standard RAL colours or DB 703

Note

The ground rosette is part of the delivery (3p-Technology)

Rosette 135 × 135 mm. Completely covers the ground shell

Material: S235 steel, hot-dip galvanised and powder-coated in bollard paint



	Fixed mounting	3p-Technology
Bollard 032	**032.001**	**032.020**

CA 3D 3p Technologie

For available accessories and special designs, refer to pages 174–176 ➔

BOLLARD 012

Cast aluminium | 820 mm

Specifications

Cast aluminium bollard with a triangular base shape and a slightly domed top. The bollard tapers towards the middle.

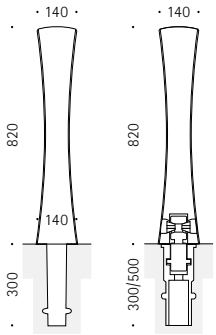
Mounting

Removable with 3p-Technology

Alternative: concrete embedment

Finish

Powder coating in standard RAL colours or DB 703



	Fixed mounting	3p-Technology
Bollard 012	**012.001**	**012.020**

CA 3D 3p Technologie

BOLLARD 002

Cast aluminium | 820 mm

Specifications

Bollard made of cast aluminium with a triangular base and a sphere set on top. The bollard tapers towards its centre.

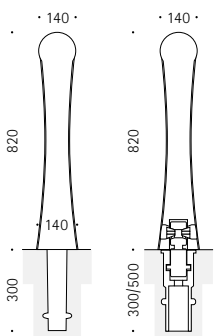
Mounting

Removable with 3p-Technology

Alternative: concrete embedment

Finish

Powder coating in standard RAL colours or DB 703



	Fixed mounting	3p-Technology
Bollard 002	**002.001**	**002.020**

CA 3p Technologie

RAL colors and detailed information can be found on the back cover fold-out →

Design: hammerrunge.design

BOLLARD 006-1

Cast aluminium | 870 mm

Specifications

Conical bollard made of cast aluminium with two cast-in eyelets at the top.

Mounting

Removable with 3p-Technology

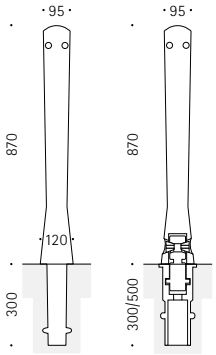
Alternative: concrete embedment

Finish

Powder coating in standard RAL colours or DB 703

	Fixed mounting	3p-Technology
Bollard 006-1	**006.001**	**006.020**

CA 3D 3p Technologie



1 BOLLARD 006-1
with 3p-Technology
DB 703, 870 mm
Art. N° 006.020
Hörnum-Sylt *Germany*

2 BOLLARD 006-1
with 3p-Technology
DB 703, 870 mm
Art. N° 006.020
Bunbury *Australia*

3 BOLLARD 006-2
with 3p-Technology
DB 703, 870 mm
Art. N° 006.220
Walferdange *Luxembourg*

1

2

3

For available accessories and special designs, refer to pages 174–176 ➔

BOLLARD 006-2

Cast aluminium | 870 mm

Specifications

Bollard made of cast aluminium tapering towards its middle.

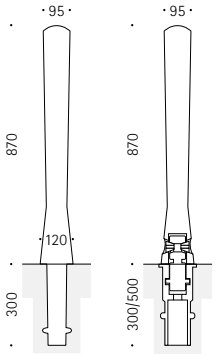
Mounting

Removable with 3p-Technology

Alternative: concrete embedment

Finish

Powder coating in standard RAL colours or DB 703



	Fixed mounting	3p-Technology
Bollard 006-2	**006.201**	**006.220**

CA

3p Technologie

Design: hammerrunge.design

RAL colors and detailed information can be found on the back cover fold-out →

BOLLARD 034

Cast aluminium | 780 mm

Specifications

Cylindrical bollard made of cast aluminium with a cast, narrow groove that separates the slightly tapering top from the bollard and an accentuated cylindrical base.

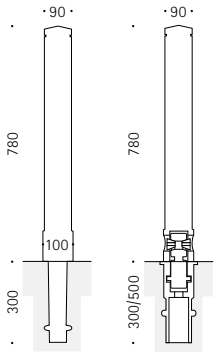
Mounting

Removable with 3p-Technology

Alternative: concrete embedment

Finish

Powder coating in standard RAL colours or DB 703



	Fixed mounting	3p-Technology
Bollard 034	**034.001**	**034.020**

CA

3p Technologie

BOLLARD 015 | 017

015 | *Cast aluminium | 950 mm*
017 | *Cast aluminium | 750 mm*

Specifications

Cylindrical bollard made of cast aluminium with an ornamental ring on the flat top and at the base.

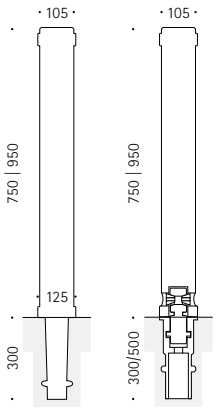
Mounting

Removable with 3p-Technology

Alternative: concrete embedment

Finish

Powder coating in standard RAL colours or DB 703



		Fixed mounting	3p-Technology
Bollard 015	950 mm	**015.001**	**015.020**
Bollard 017	750 mm	**017.001**	**017.020**

CA

3p Technologie

015 017

For available accessories and special designs, refer to pages 174–176 →

BOLLARD 024

Cast aluminium | 870 mm

Specifications

Cylindrical bollard made of cast aluminium with a cast recess separating the bollard optically from its top and a distinct cylindrical base.

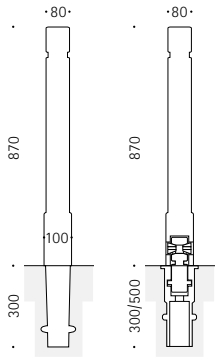
Mounting

Removable with 3p-Technology

Alternative: concrete embedment

Finish

Powder coating in standard RAL colours or DB 703



	Fixed mounting	3p-Technology
Bollard 024	**024.001**	**024.020**

CA

3p Technologie

Design: Thomas Wüsten - GFP

BOLLARD 021

021-1 | *Cast aluminium | 600 mm*
021-2 | *Cast aluminium | 900 mm*

Specifications

Cylindrical cast aluminium bollard with a flat top by an accentuated by an elongated recess.

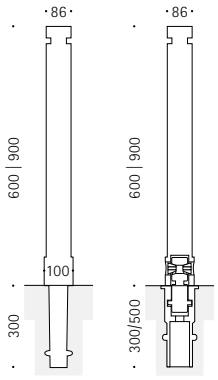
Mounting

Removable with 3p-Technology

Alternative: concrete embedment

Finish

Powder coating in standard RAL colours or DB 703

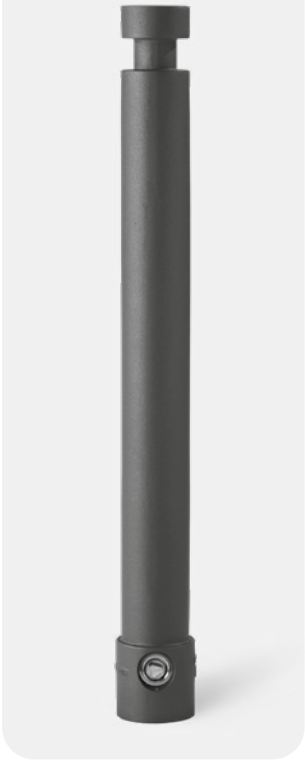


		Fixed mounting	3p-Technology
Bollard 021-1	600 mm	**021.001.060**	**021.020.060**
Bollard 021-2	900 mm	**021.001.090**	**021.020.090**

CA

3p Technologie

021-1 021-2



RAL colors and detailed information can be found on the back cover fold-out →

BOLLARD 038

Cast aluminium | 830 mm

Specifications

Cylindrical cast aluminium bollard with a circumferential ring below the spherical top piece.

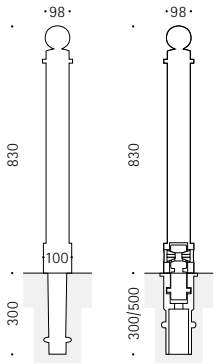
Mounting

Removable with 3p-Technology

Alternative: concrete embedment

Finish

Powder coating in standard RAL colours or DB 703



	Fixed mounting	3p-Technology
Bollard 038	**038.001**	**038.020**

CA

3p Technologie

BOLLARD 040

Cast aluminium | 900 mm

Specifications

Cylindrical cast aluminium bollard with a top sphere, a peripheral ring below the top, and another ring above the pedestal.

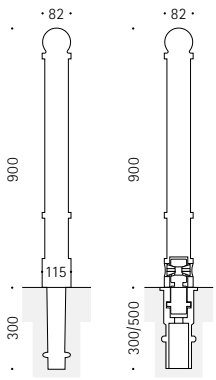
Mounting

Removable with 3p-Technology

Alternative: concrete embedment

Finish

Powder coating in standard RAL colours or DB 703



	Fixed mounting	3p-Technology
Bollard 040	**040.001**	**040.020**

CA

3p Technologie

For available accessories and special designs, refer to pages 174–176 ➔

BOLLARD 014

014–1 | *Cast aluminium* | *850 mm*
014–2 | *Cast aluminium* | *1000 mm*

Specifications

Smooth cylindrical bollard made of cast aluminium with a sphere on the top.

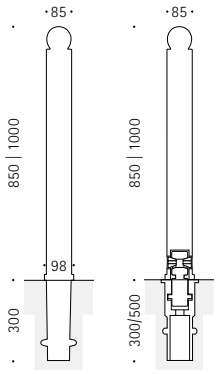
Mounting

Removable with 3p-Technology

Alternative: concrete embedment

Finish

Powder coating in standard RAL colours or DB 703



		Fixed mounting	3p-Technology
Bollard 014–1	850 mm	**014.001**	**014.020**
Bollard 014–2	1000 mm	**014.001.100**	**014.020.100**

CA

014–1 014–2

3p Technologie

BOLLARD 029

Cast aluminium | *900 mm*

Specifications

Cylindrical smooth bollard made of cast aluminium with a spherical top.

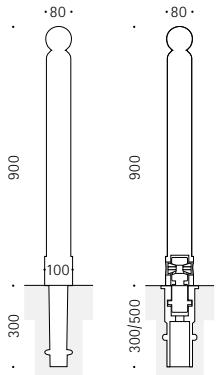
Mounting

Removable with 3p-Technology

Alternative: concrete embedment

Finish

Powder coating in standard RAL colours or DB 703



	Fixed mounting	3p-Technology
Bollard 029	**029.001**	**029.020**

CA

3p Technologie

RAL colors and detailed information can be found on the back cover fold-out →

BOLLARD 018

Cast aluminium | 850 mm

Specifications

Bollard made of cast aluminium with a cylindrical base on a pedestal, several indentations and rings and a sphere on top.

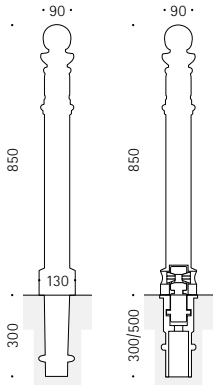
Mounting

Removable with 3p-Technology

Alternative: concrete embedment

Finish

Powder coating in standard RAL colours or DB 703



	Fixed mounting	3p-Technology
Bollard 018	**018.001**	**018.020**

CA 3D 3p Technologie

BOLLARD 062

Cast aluminium | 910 mm

Specifications

Cylindrical bollard made of cast aluminium with a two-part base and a protruding ring below the enlarged spherical head.

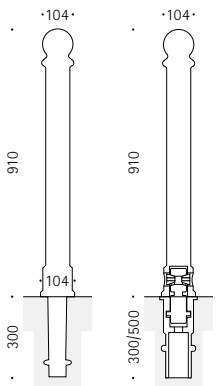
Mounting

Removable with 3p-Technology

Alternative: concrete embedment

Finish

Powder coating in standard RAL colours or DB 703



	Fixed mounting	3p-Technology
Bollard 062	**062.001**	**062.020**

CA 3p Technologie

For available accessories and special designs, refer to pages 174–176 ➔

BOLLARD 023

Cast aluminium | 910 mm

Specifications

Cylindrical bollard made of cast aluminium with a top sphere, with a horizontal indentation, and an accentuated base.

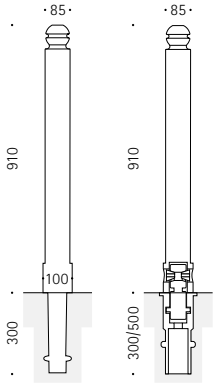
Mounting

Removable with 3p-Technology

Alternative: concrete embedment

Finish

Powder coating in standard RAL colours or DB 703



	Fixed mounting	3p-Technology
Bollard 023	**023.001**	**023.020**

CA

3p Technologie

BOLLARD 007

Cast aluminium | 905 mm

Specifications

Cylindrical bollard with a smooth surface, made of cast aluminium with a circumferential groove and a leveled sphere as top piece.

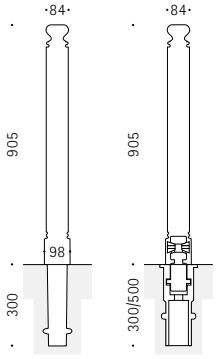
Mounting

Removable with 3p-Technology

Alternative: concrete embedment

Finish

Powder coating in standard RAL colours or DB 703



	Fixed mounting	3p-Technology
Bollard 007	**007.001**	**007.020**

CA

3p Technologie

RAL colors and detailed information can be found on the back cover fold-out →

BOLLARD 005-1

Cast aluminium | 890 mm

Specifications

Cylindrical bollard made of cast aluminium with three multilayered rings, as well as a spherical top piece.

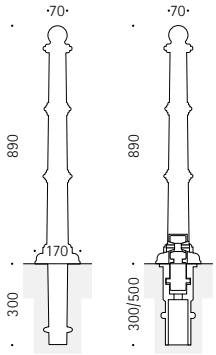
Mounting

Removable with 3p-Technology

Alternative: concrete embedment

Finish

Powder coating in standard RAL colours or DB 703



	Fixed mounting	3p-Technology
Bollard 005-1	**005.001**	**005.020**

CA

3p Technologie

BOLLARD 005-2

Cast aluminium | 900 mm

Specifications

Cylindrical bollard made of cast aluminium with two multilayered rings, a cylindrical base about 100 mm high and a sphere as top piece.

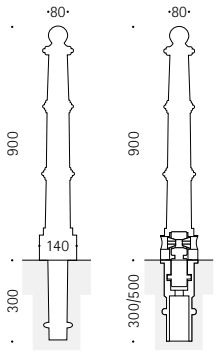
Mounting

Removable with 3p-Technology

Alternative: concrete embedment

Finish

Powder coating in standard RAL colours or DB 703



	Fixed mounting	3p-Technology
Bollard 005-2	**005.201**	**005.220**

CA 3D

3p Technologie

For available accessories and special designs, refer to pages 174–176 ➔

BOLLARD 068

Cast aluminium | 950 mm

Specifications

Cylindrical bollard made of cast aluminium surrounded by two multilayered rings and a tapering cone on top.

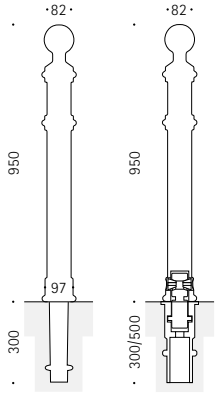
Mounting

Removable with 3p-Technology

Alternative: concrete embedment

Finish

Powder coating in standard RAL colours or DB 703



	Fixed mounting	3p-Technology
Bollard 068	**068.001**	**068.020**

CA

3p Technologie

BOLLARD 025

Cast aluminium | 850 mm

Specifications

Cylindrical bollard made of cast aluminium with two paired rings and a ring below a flattened hemisphere at the top.

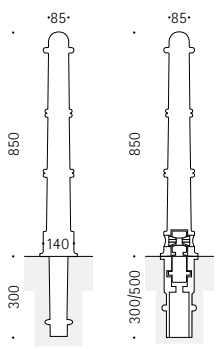
Mounting

Removable with 3p-Technology

Alternative: concrete embedment

Finish

Powder coating in standard RAL colours or DB 703



	Fixed mounting	3p-Technology
Bollard 025	**025.001**	**025.020**

CA

3p Technologie

RAL colors and detailed information can be found on the back cover fold-out →

BOLLARD 039

Cast aluminium | 870 mm

Specifications

Cylindrical bollard made of cast aluminium, with a revolving three split ring below the hemispherical top, as well as above the base.

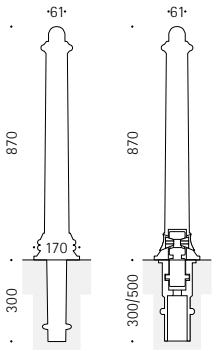
Mounting

Removable with 3p-Technology

Alternative: concrete embedment

Finish

Powder coating in standard RAL colours or DB 703



	Fixed mounting	3p-Technology
Bollard 039	**039.001**	**039.020**

CA

3p Technologie

BOLLARD 028

Cast aluminium | 900 mm

Specifications

Cylindrical bollard made of cast aluminium with a two-part base and a hemisphere on top, separated by a ring.

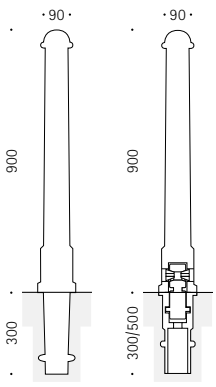
Mounting

Removable with 3p-Technology

Alternative: concrete embedment

Finish

Powder coating in standard RAL colours or DB 703



	Fixed mounting	3p-Technology
Bollard 028	**028.001**	**028.020**

CA

3D

3p Technologie

For available accessories and special designs, refer to pages 174–176 →

BOLLARD 004

Cast aluminium | 820 mm

Specifications

Cone-shaped bollard made of cast aluminium with a circumferential ring which optically separates the top from the rest of the bollard, and a second broader circumferential ring at the base.

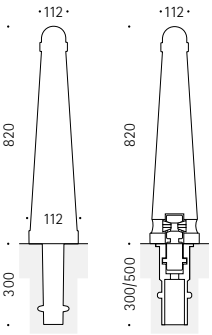
Mounting

Removable with 3p-Technology

Alternative: concrete embedment

Finish

Powder coating in standard RAL colours or DB 703



	Fixed mounting	3p-Technology
Bollard 004	**004.001**	**004.020**

CA 3D

3p Technologie

BOLLARD 013

Cast aluminium | 820 mm

Specifications

Slightly cone-shaped bollard made of cast aluminium with a circumferential ring which optically separates the top from the rest of the bollard, and a second broader circumferential ring at the base.

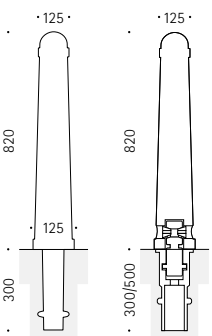
Mounting

Removable with 3p-Technology

Alternative: concrete embedment

Finish

Powder coating in standard RAL colours or DB 703



	Fixed mounting	3p-Technology
Bollard 013	**013.001**	**013.020**

CA

3p Technologie

RAL colors and detailed information can be found on the back cover fold-out →

BOLLARD 011

Cast aluminium | 860 mm

Specifications

Oval bollard made of cast aluminium with a spiral-shaped head and a protruding vertical joint.

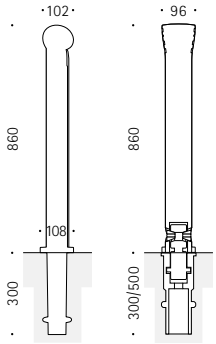
Mounting

Removable with 3p-Technology

Alternative: concrete embedment

Finish

Powder coating in standard RAL colours or DB 703



	Fixed mounting	3p-Technology
Bollard 011	**011.001**	**011.020**

CA 3D 3p Technologie

BOLLARD 041

Cast aluminium | 925 mm

Specifications

Subdivided cast aluminium bollard on a hexagonal base, tapering towards the top and ending in an acorn-shaped figure. The six sides show rectangular, cast-in recesses.

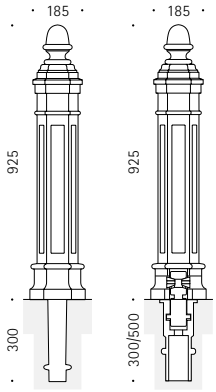
Mounting

Removable with 3p-Technology

Alternative: concrete embedment

Finish

Powder coating in standard RAL colours or DB 703



	Fixed mounting	3p-Technology
Bollard 041	**041.001**	**041.020**

CA 3D 3p Technologie

For available accessories and special designs, refer to pages 174–176 ➔

BOLLARD 020

Cast aluminium | 895 mm

Specifications

Cylindrical bollard made of cast aluminium with three circumferential paired rings, several vertical recesses and a flat top.

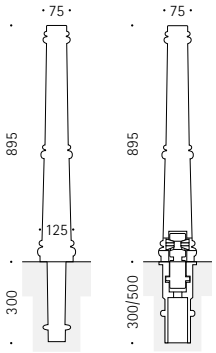
Mounting

Removable with 3p-Technology

Alternative: concrete embedment

Finish

Powder coating in standard RAL colours or DB 703



	Fixed mounting	3p-Technology
Bollard 020	**020.001**	**020.020**

CA

3p Technologie

BOLLARD 022

Cast aluminium | 935 mm

Specifications

Slightly conical bollard made of cast aluminium with several vertical recesses in the middle section. The upper section is accentuated by a circumferential ring, a smooth surface and a slightly protruding tapering top piece. The base is characterised by a smooth shell enclosed by two rings.

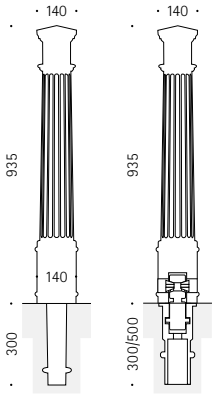
Mounting

Removable with 3p-Technology

Alternative: concrete embedment

Finish

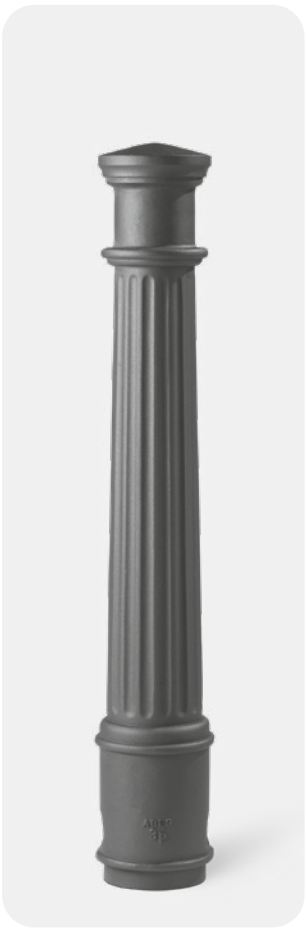
Powder coating in standard RAL colours or DB 703



	Fixed mounting	3p-Technology
Bollard 022	**022.001**	**022.020**

CA

3p Technologie



RAL colors and detailed information can be found on the back cover fold-out →

BOLLARD 003

Cast aluminium | 738 mm

Specifications

Cylindrical bollard made of cast aluminium with twelve window-like cast indentations, a protruding top and a distinct cylindrical base.

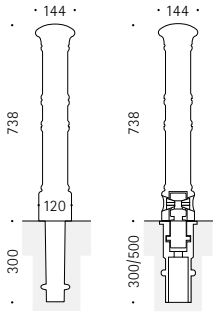
Mounting

Removable with 3p-Technology

Alternative: concrete embedment

Finish

Powder coating in standard RAL colours or DB 703



	Fixed mounting	3p-Technology
Bollard 003	**003.001**	**003.020**

CA 3D 3p Technologie

1–2 BOLLARD 003

with 3p-Technology
RAL 7016, 738 mm
Art. N° 003.020
Echternach *Luxembourg*

For available accessories and special designs, refer to pages 174–176 ➔

BOLLARD 019

Cast aluminium | 850 mm

Specifications

Conical cast aluminium bollard with four wing-like side parts which taper further up into eyelets. The top is domed.

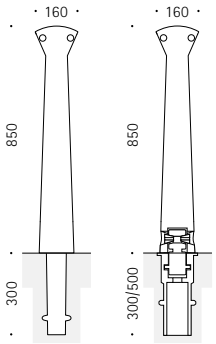
Mounting

Removable with 3p-Technology

Alternative: concrete embedment

Finish

Powder coating in standard RAL colours or DB 703



	Fixed mounting	3p-Technology
Bollard 019	**019.001**	**019.020**

CA

3p Technologie

1–2 BOLLARD 019

with 3p-Technology
DB 703, 850 mm
Art. N° 019.020
Nommern *Luxembourg*

RAL colors and detailed information can be found on the back cover fold-out →

BOLLARD 057

Cast aluminium | 150 · 1000 mm

Specifications

Cylindrical bollard made of cast aluminium with a flat top and a broad ring-shaped recess in the upper region.

Mounting

Removable with 3p-Technology

Alternative: concrete embedment

Finish

Powder coating in standard RAL colours or DB 703

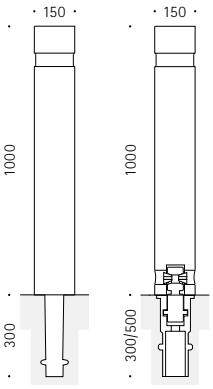
	Fixed mounting	3p-Technology
Bollard 057	**057.001**	**057.020**

CA

3p Technologie

Bollard 057 also available as **Lighting Bollard 230 LED**

(see p. 82)



BOLLARD 058

Cast aluminium | 250 · 1000 mm

Specifications

Cylindrical bollard made of cast aluminium with a flat top and a broad ring-shaped recess in the upper region.

Mounting

Removable with 3p-Technology

Alternative: concrete embedment

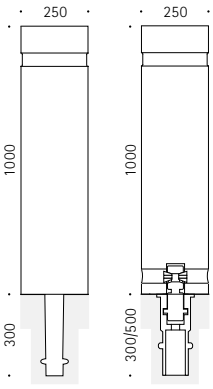
Finish

Powder coating in standard RAL colours or DB 703

	Fixed mounting	3p-Technology
Bollard 058	**058.001**	**058.020**

CA

3p Technologie



For available accessories and special designs, refer to pages 174–176 ➔

Bollard 055-1 also available as
Lighting Bollard 220 LED
(see p. 81)

BOLLARD 037-1 | 055-1

037-1 | *Cast aluminium* | *220 · 720 mm*
055-1 | *Cast aluminium* | *180 · 600 mm*

Specifications

Cylindrical bollard made of cast aluminium with a flat top.

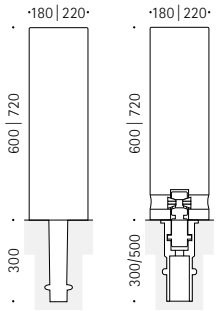
Mounting

Removable with 3p-Technology

Alternative: concrete embedment

Finish

Powder coating in standard RAL colours or DB 703



		Fixed mounting	3p-Technology
Bollard 037-1	220 · 720 mm	**037.001**	**037.020**
Bollard 055-1	180 · 600 mm	**055.001**	**055.020**

CA

037-1 055-1

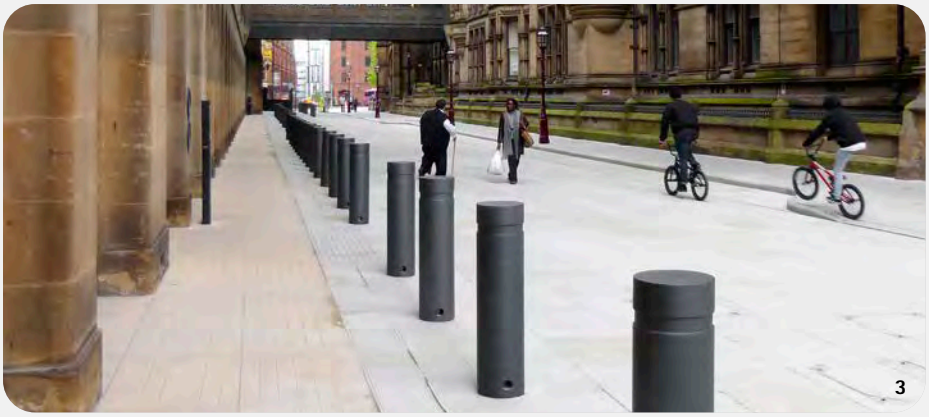
3p Technologie

1

2

1 **BOLLARD 055-1**
with 3p-Technology
DB 703, 180 · 600 mm
Art. N° 055.020
Cologne *Germany*

2–3 **BOLLARD 058**
with 3p-Technology
DB 703, 250 · 1000 mm
Art. N° 058.020
Manchester *Great Britain*


3

RAL colors and detailed information can be found on the back cover fold-out →

BOLLARD 069

Cast aluminium | 800 mm

Specifications

Cylindrical cast aluminium bollards with a wide, circular recess at the top and a tapering base.

Mounting

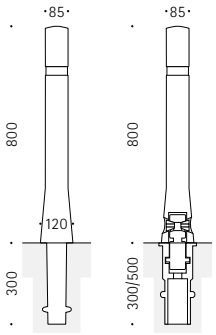
Removable with 3p-Technology

Alternative: concrete embedment

Finish

· Powder coating in standard RAL colours or DB 703

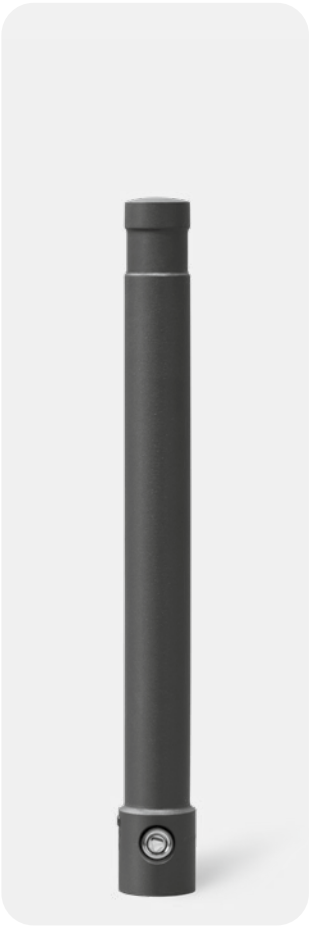
· Reflective tape protected in the recess



	Fixed mounting	3p-Technology
Bollard 069	**069.001**	**069.020**

CA

3p Technologie



BOLLARD 070

Cast aluminium | 880 mm

Specifications

Cylindrical cast aluminium bollards with a wide, circular recess at the top and a cylindrical base.

Mounting

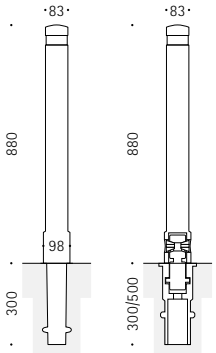
Removable with 3p-Technology

Alternative: concrete embedment

Finish

· Powder coating in standard RAL colours or DB 703

· Reflective tape in the recess (optional)

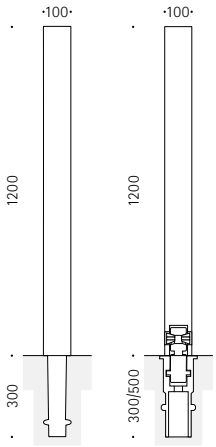


	Fixed mounting	3p-Technology
Bollard 070	**070.001**	**070.020**

CA

3p Technologie

For available accessories and special designs, refer to pages 174–176 →



BOLLARD 064

Cast aluminium | 1200 mm

Specifications

Square bollard made of cast aluminium with a flat top.

Mounting

Removable with 3p-Technology

Alternative: concrete embedment

Finish

Powder coating in standard RAL colours or DB 703

Note

The ground rosette is part of the delivery (3p-Technology)

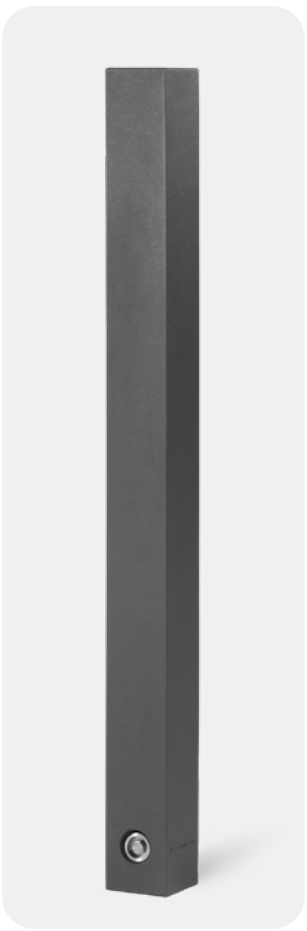
Completely covers the ground shell

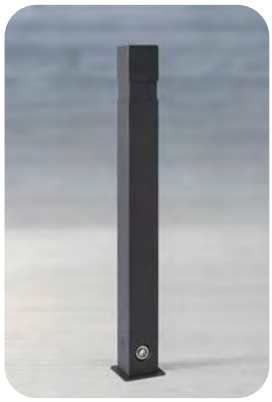
Material: S235 steel, hot-dip galvanised and powder-coated in bollard paint

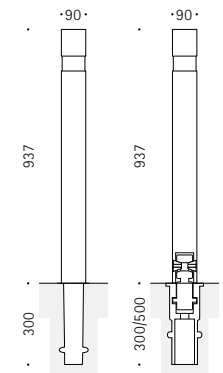
	Fixed mounting	3p-Technology
Bollard 064	**064.001**	**064.020**

CA

3p Technologie







BOLLARD 071

Cast aluminium | 937 mm

Specifications

Square cast aluminium bollards with rounded corners, a wide circular recess at the top, and flat head piece.

Mounting

Removable with 3p-Technology

Alternative: concrete embedment

Finish

Powder coating in standard RAL colours or DB 703

Note

The ground rosette is part of the delivery (3p-Technology)

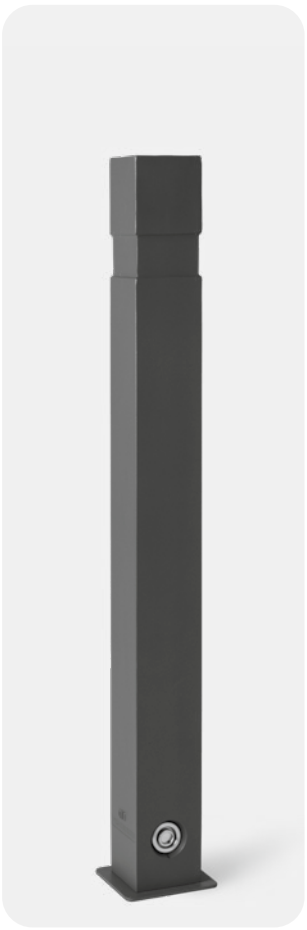
Completely covers the ground shell

Material: S235 steel, hot-dip galvanised and powder-coated in bollard paint

	Fixed mounting	3p-Technology
Bollard 071	**071.001**	**071.020**

CA 3D

3p Technologie



RAL colors and detailed information can be found on the back cover fold-out →

BOLLARD 093

Cast aluminium | 900mm

Specifications

Cylindrical barrier post made of cast aluminium, standing on a slightly wider base, with cast-in vertical recesses in the middle section and a slightly protruding round head with a bluntly tapering tip.

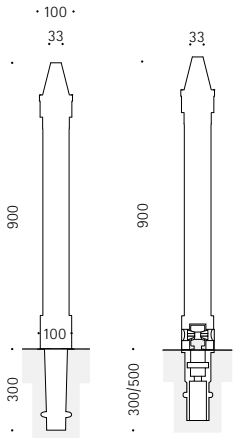
Mounting

Removable with 3p-Technology

Alternative: concrete embedment

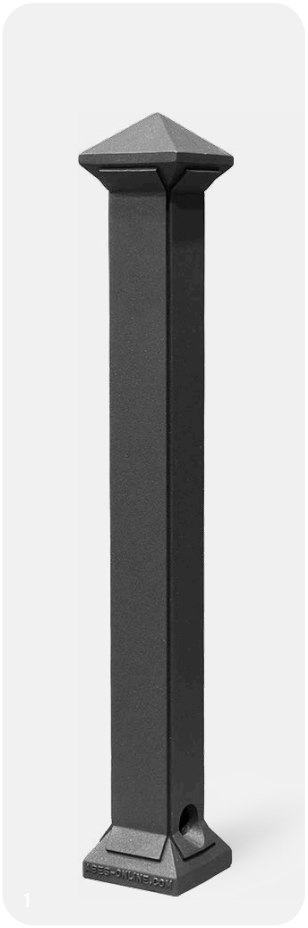
Finish

Powder coating in standard RAL colours or DB 703



	Fixed mounting	3p-Technology
Bollard 093	**093.001**	**093.020**

CA 2025 3p Technologie



BOLLARD 098

Cast aluminium | 900mm

Specifications

Square bollard made of cast aluminium with a canopy-shaped head section and a slanted base.

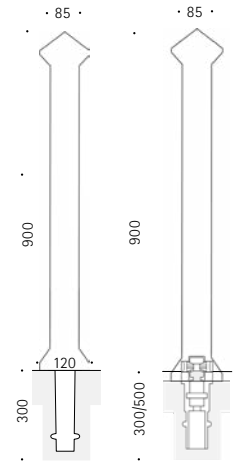
Mounting

Removable with 3p-Technology

Alternative: concrete embedment

Finish

Powder coating in standard RAL colours or DB 703



	Fixed mounting	3p-Technology
Bollard 098	**098.001**	**098.020**

CA 2025 3p Technologie

For available accessories and special designs, refer to pages 174–176 ➔

BOLLARD 097

Cast aluminium | 850 mm

Specifications

Cylindrical barrier post made of cast aluminium, standing on a slightly conical base, with three rings cast all around and a hemispherical head.

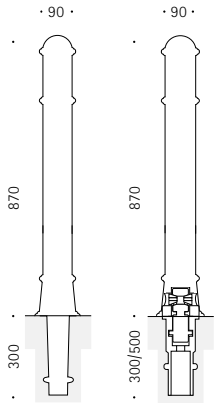
Mounting

Removable with 3p-Technology

Alternative: concrete embedment

Finish

Powder coating in standard RAL colours or DB 703



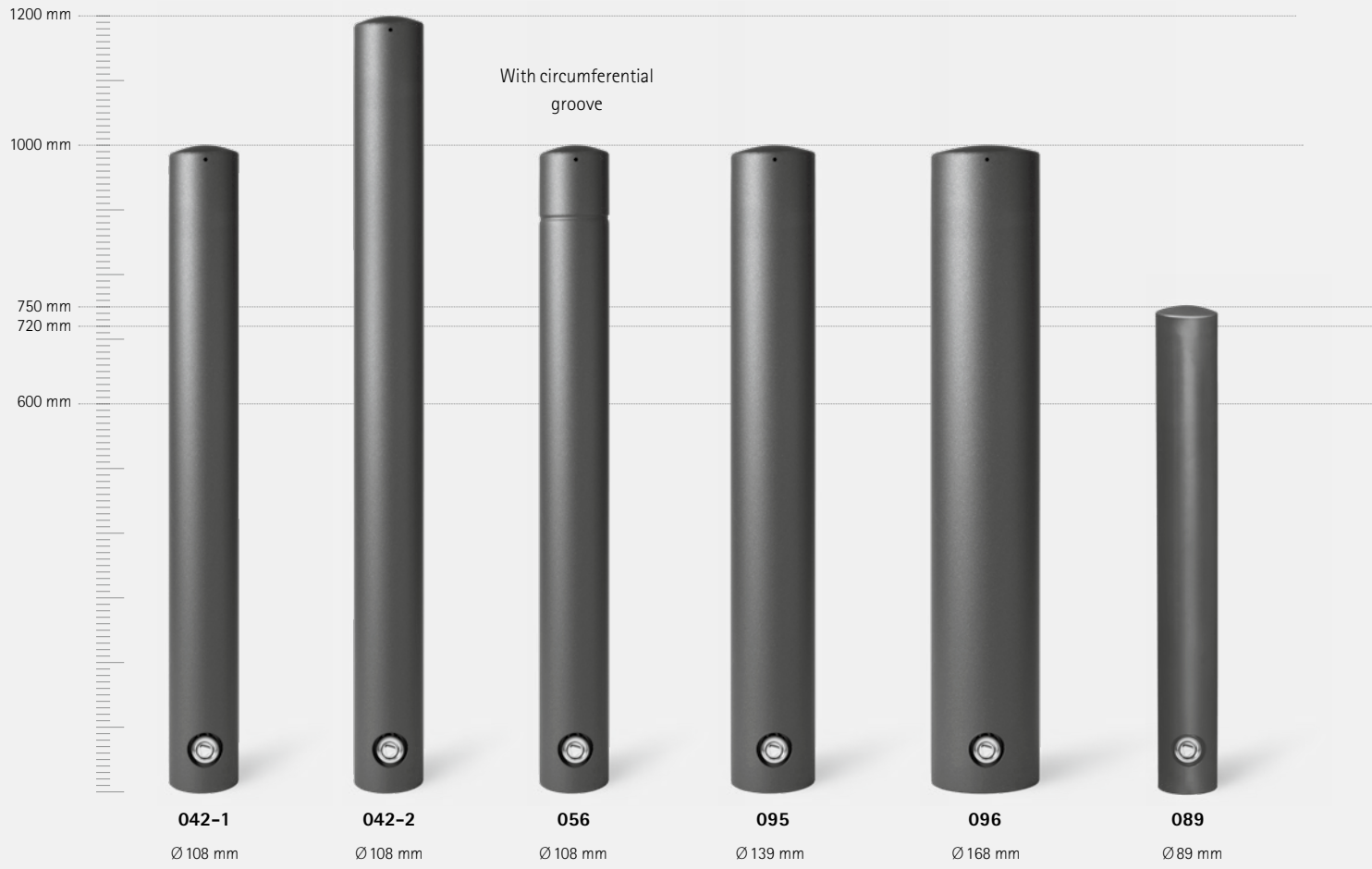
	Fixed mounting	3p-Technology
Bollard 097	**097.001**	**097.020**

CA 2025

1

2

RAL colors and detailed information can be found on the back cover fold-out →



1

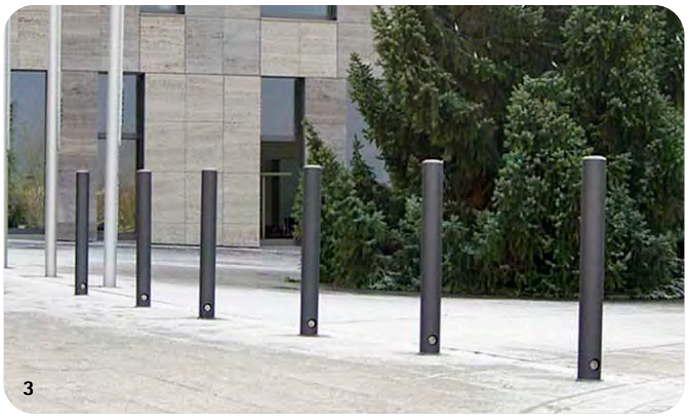
1 **BOLLARD 042-1**
RAL 7016 Anthracite grey
Walferdange *Luxembourg*

2 **BOLLARD 037-2**
DB 703 Glimmer grey
Esch-Belval *Luxembourg*

3 **BOLLARD 042-1**
DB 703 Glimmer grey
Remshalden *Germany*

4 **BOLLARD 037-2**
DB 703 Glimmer grey
Esch-Belval *Luxembourg*

2


3

For available accessories and special designs, refer to pages 174-176 ➔

Height is customisable on all bollards on request

CYLINDRICAL BOLLARDS

Steel

Specifications

Fully cylindrical bollards made of galvanised steel/stainless steel with a slightly domed top. Bollard 056 also with all round groove.

Mounting

Removable with 3p-Technology

Alternative: concrete embedment or with external flange to enable screwing (only for bollards with a diameter up to 110 mm)

Finish

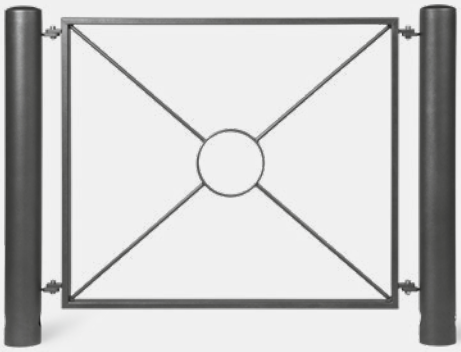
- Stainless steel 1.4301 smoothed, grain 240 (Models see online shop)
  Optional: electropolished/high-gloss or glass bead blasted
  (Bollard 037-2 and 055-2 on customer request)
- Steel S235, galvanised with powder coating in standard RAL colours or DB 703
- Height can be adjusted on customer request

037-2
Ø 220 mm

055-2
Ø 180 mm

ST AISI

3p Technologie



Bollard 042-1 with Railing 851 *(see page 73)*

042-1 042-2 056 095

096 089 037-2 055-2

For more information, please scan the QR code or visit www.abes-online.com.

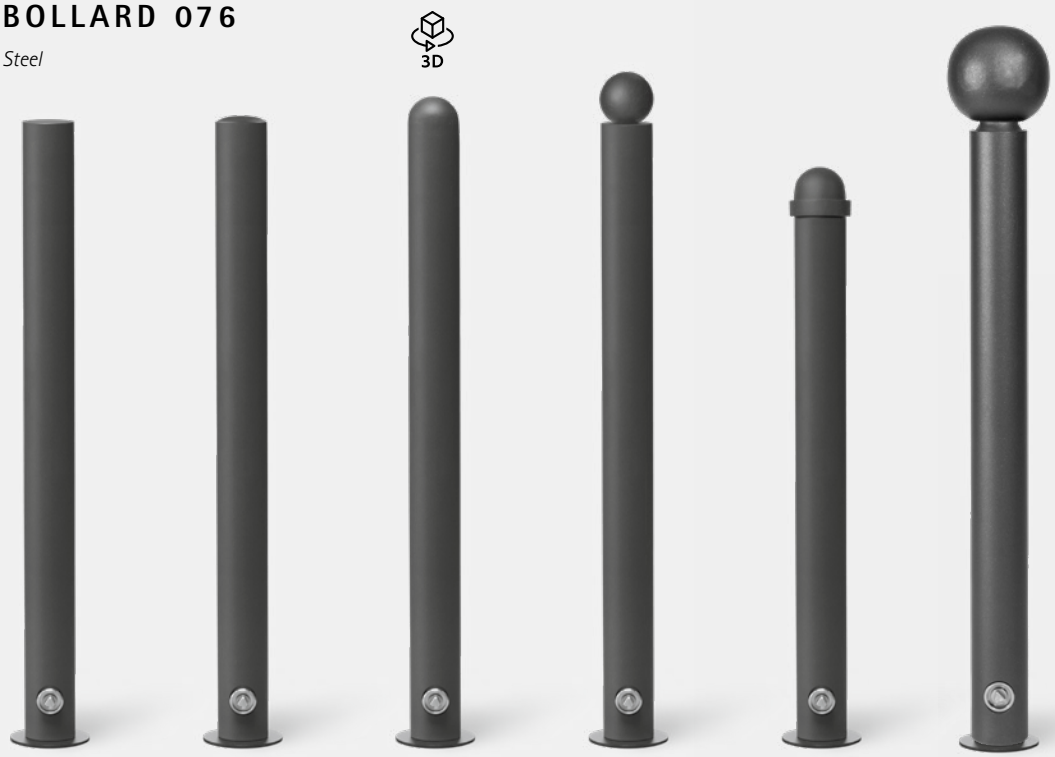
4

2025

BOLLARD 076

Steel

3D



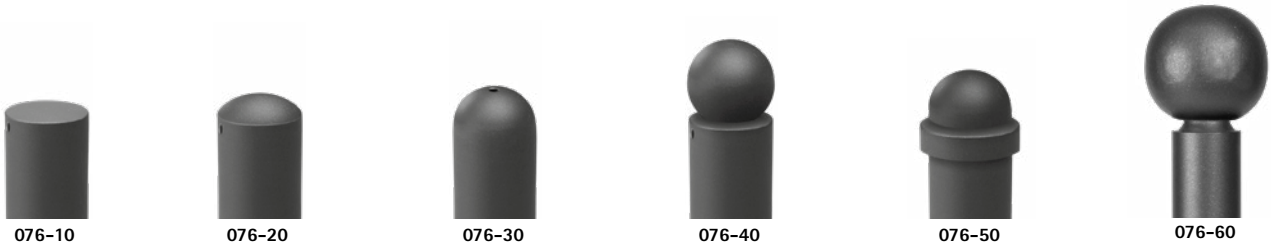
076-10 076-20 076-30 076-40 076-50 076-60

Diameter 76 mm:

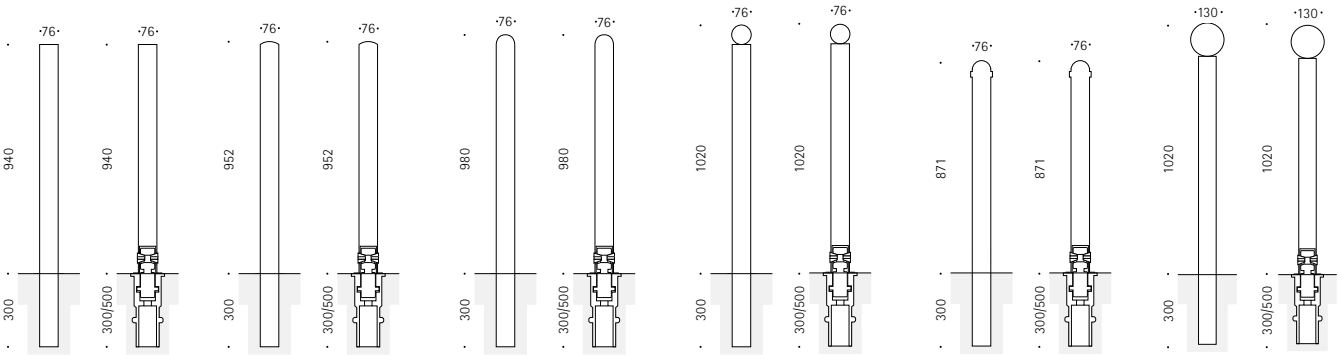
Suitable for multipurpose clips to fasten signs, bins, dog waste containers etc.

Sample application

2025



076-10 076-20 076-30 076-40 076-50 076-60



ST 3D

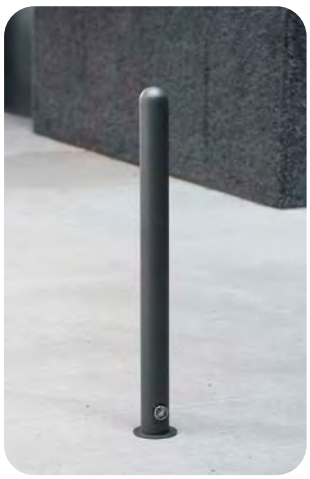
3p Technologie

For available accessories and special designs, refer to pages 174-176 →

Height can be customized for all steel bollards on request

BOLLARD 076

Steel



Specifications

076-10 Cylindrical bollard made of galvanised steel with flat top.

076-20 Cylindrical bollard made of galvanised steel with slightly curved top.

076-30 Cylindrical bollard made of galvanised steel with round top.

076-40 Cylindrical bollard made of galvanised steel with a spherical top.

076-50 Cylindrical bollard made of galvanised steel with a circumferential ring below the round top.

076-60 Cylindrical bollard made of galvanised steel with a spherical top.

Mounting

Removable with 3p-Technology

Alternative: concrete embedment

Optional: with flange to enable screwing

Finish

· Steel S235, galvanised with powder coating in standard RAL colours or DB 703

· Stainless steel 1.4301 on request

· Suitable for multipurpose clips to fasten signs, bins, dog waste containers etc.

· Height can be adjusted on customer request

Note

The ground rosette is part of the delivery (for 3p-Technology)

Covers completely the ground shell

Material: S235 steel, hot-dip galvanised and powder-coated in bollard paint

076-10 076-20 076-30 076-40 076-50 076-60

For more information, please scan the QR code or visit www.abes-online.com.

RAL colors and detailed information can be found on the back cover fold-out →

BOLLARD 074

Stahl + Stainless steel | 1000 mm

Specifications

Square steel bollard with slightly pyramidal square top.

Mounting

Removable with 3p-Technology

Alternative: concrete embedment

Finish

· Stainless steel 1.4301 smoothed, grain 240 on request
Optional: electropolished/high-gloss
· Steel S235, galvanised with powder coating in standard RAL colours or DB 703
· Height can be adjusted on customer request

Note

The ground rosette is part of the delivery (3p-Technology)

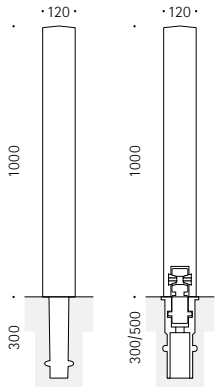
Completely covers the ground shell

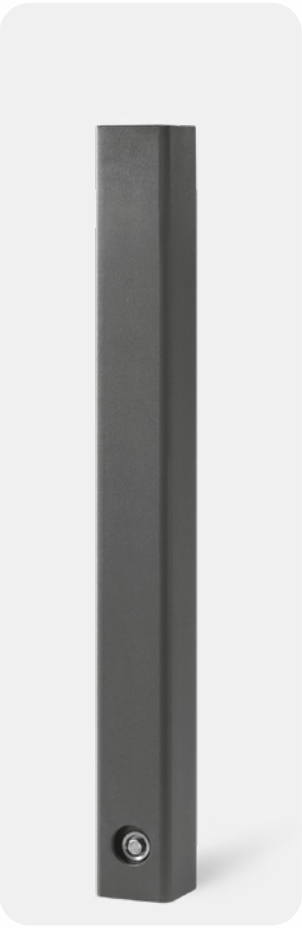
Material: S235 steel, hot-dip galvanised and powder-coated in bollard paint

For more information, please scan the QR code or visit www.abes-online.com.

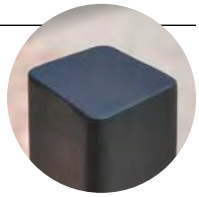
ST V2A

3p Technologie





BOLLARD 063



Steel | 1000 mm

Specifications

Square bollard made of galvanised steel with rounded corners (approx. 15 mm radius) and a flat top.

Mounting

Removable with 3p-Technology

Alternative: concrete embedment

Finish

· Steel S235, galvanised with powder coating in standard RAL colours or DB 703
· Height can be adjusted on customer request
· Stainless steel 1.4301 on request
.

Note

The ground rosette is part of the delivery (3p-Technology)

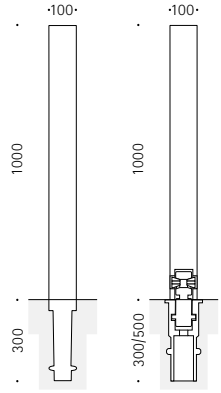
Completely covers the ground shell

Material: S235 steel, hot-dip galvanised and powder-coated in bollard paint

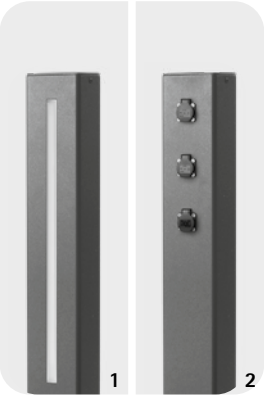
For more information, please scan the QR code or visit www.abes-online.com.

ST AISI

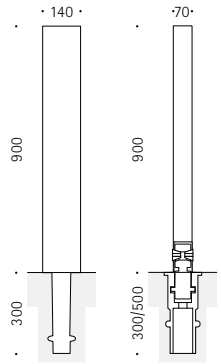
3p Technologie



For available accessories and special designs, refer to pages 174–176 ➔



Also available as **Lighting-Bollard 265 LED (1)** *(s. p. 84)* and as **Charging-Bollard 665 with 3 sockets (2)** *(s. p. 77)*



BOLLARD 065

Steel | 900 mm

Specifications

Rectangular bollard made of steel with a flat top.

Mounting

Removable with 3p-Technology

Alternative: concrete embedment

Finish

· Steel S235, galvanised with powder coating in standard RAL colours or DB 703

· Height can be adjusted on customer request

· Stainless steel 1.4301 on request

Note

The ground rosette is part of the delivery (3p-Technology)

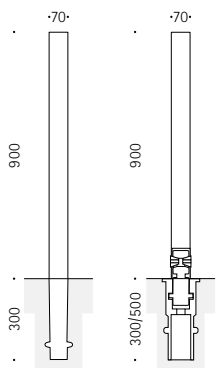
Completely covers the ground shell

Material: S235 steel, hot-dip galvanised and powder-coated in bollard paint

For more information, please scan the QR code or visit www.abes-online.com.

ST 3D 3p Technologie

Bollard 066 also available as **Lighting Bollard 266 LED** *(see p. 85)*



BOLLARD 066

Steel | 900 mm

Specifications

Square steel bollard with slightly rounded corners and a flat, square top.

Mounting

Removable with 3p-Technology

Alternative: concrete embedment

Finish

· Steel S235, galvanised with powder coating in standard RAL colours or DB 703

· Height can be adjusted on customer request

· Stainless steel 1.4301 on request

Note

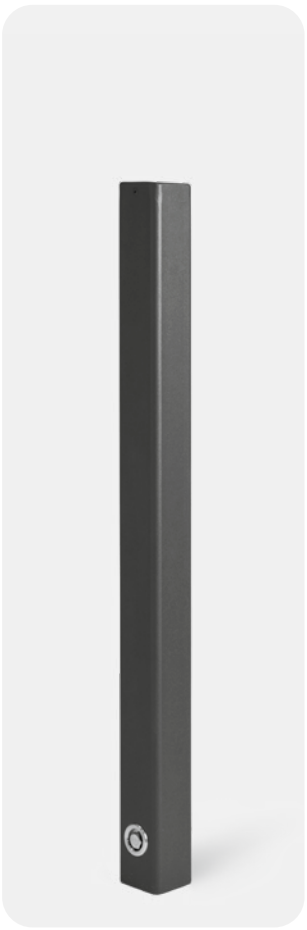
The ground rosette is part of the delivery (3p-Technology)

Completely covers the ground shell

Material: S235 steel, hot-dip galvanised and powder-coated in bollard paint

For more information, please scan the QR code or visit www.abes-online.com.

ST 3p Technologie



RAL colors and detailed information can be found on the back cover fold-out →

BOLLARD 079

Steel + Stainless steel | 1097 mm

Specifications

Fully cylindrical bollard with a slanted top.

Mounting

Removable with 3p-Technology

Alternative: concrete embedment or with flange to enable screwing

Finish

· Stainless steel 1.4301 smoothed, grain 240
Optional: electropolished/high-gloss

· Steel S235, galvanised with powder coating in standard RAL colours or DB 703

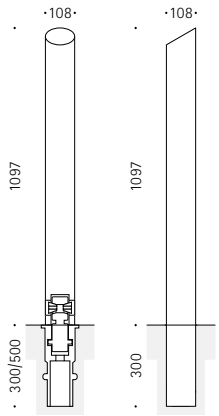
· Other heights and diameters available on request

Note

Also available with a cigarette slot as bollard-ashtray 525, *see page 67*

For more information, please scan the QR code or visit www.abes-online.com.

ST V2A 3D 3p Technologie



BOLLARD 059

Steel | 900 mm

Specifications

Square bollards made of flat steel with two open sides, a choice of one or more (on request and at a surcharge) horizontal, central divisions and a solid base.

Mounting

Removable with 3p-Technology

Alternative: concrete embedment

Finish

· Steel S235, galvanised with powder coating in standard RAL colours or DB 703

· Stainless steel 1.4301 on request

· Height can be adjusted on customer request

Note

The ground rosette is part of the delivery (3p-Technology)

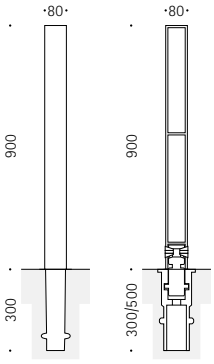
Completely covers the ground shell

Material: S235 steel, hot-dip galvanised and powder-coated in bollard paint

For more information, please scan the QR code or visit www.abes-online.com.

ST AISI 3D 3p Technologie

Bollard 059 can also be used as a support bollard for bicycles



For available accessories and special designs, refer to pages 174–176 →

BOLLARD-ASHTRAY 525

Steel + Stainless steel | 1097 mm

Specifications

Fully cylindrical bollard ashtray with a sloping slot area. Labelling in the form of an outlined, laser-printed cigarette symbol.

Mounting

Removable with 3p-Technology

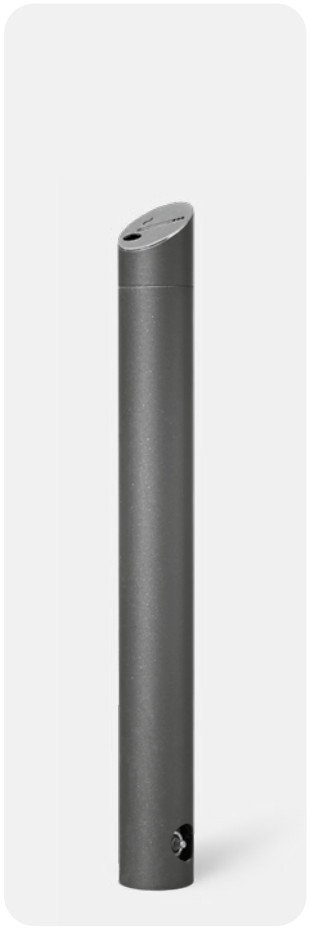
Alternative: concrete embedment or with flange to enable screwing

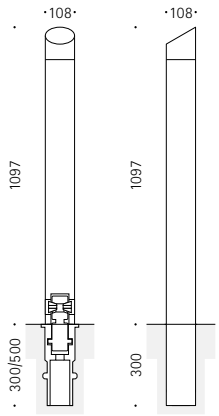
Finish

- Stainless steel 1.4301 smoothed, grain 240
  Optional: electropolished/high-gloss
- Steel S235, galvanised with powder coating in standard RAL colours or DB 703
- May be unlocked for emptying using a triangular key
- Height can be adjusted on customer request

Note

Identical with bollard 079 (without ashtray), *see page 66*





For more information, please scan the QR code or visit www.abes-online.com.

ST AISI 3D 3p Technologie

The only bollard ashtray with predetermined breaking point

RAL colors and detailed information can be found on the back cover fold-out →

RAM PROTECTION BOLLARD 672

Steel | 1000mm

Specifications

Ram protection bollard 672 is a continuous cylindrical barrier post made of galvanised steel with a slightly cambered top end. Head optionally welded or removable with welded anchor for optional filling with concrete.

Mounting

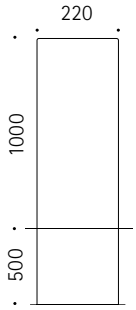
Cast in concrete version –fixed mounting (not removable)

Finish

Powder coating in standard RAL colours, DB 703 or black/yellow

		Fixed mounting
Bollard 672	Galvanised, head finish	**672.001**
Bollard 672	Galvanised, head removable	**672.011**
Bollard 672	Powder-coated, head finish	**672.101**
Bollard 672	Powder-coated, head removable	**672.111**

ST 2025



BOLLARD 675

galvanized, 1000 mm

Item no **675.001**

Flaxweiler, *Luxembourg*

For available accessories and special designs, refer to pages 174–176 →

RAM PROTECTION BOLLARD 675

Steel | 1000 mm

Specifications

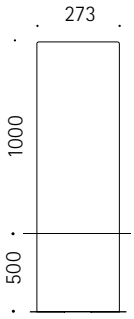
Ram protection bollard 695 is a continuous cylindrical barrier post made of galvanised steel with a slightly cambered top end. Head optionally welded or removable with welded anchor for optional filling with concrete.

Fixing

Cast in concrete version – fixed mounting (not removable)

Finish

Powder coating in standard RAL colours, DB 703 or black/yellow



		Fixed mounting
Bollard 675	Galvanised, head finish	**675.001**
Bollard 675	Galvanised, head removable	**675.011**
Bollard 675	Powder-coated, head finish	**675.101**
Bollard 672	Powder-coated, head removable	**675.111**

ST 2025

RAL colors and detailed information can be found on the back cover fold-out →

MODULAR

RAILING SYSTEMS WITH 3P-TECHNOLOGY

Bollards with connection for railings

Bollards are often placed where vehicles are not supposed to go.

Their main functions include:

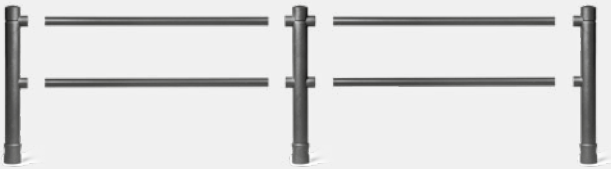
- **SEPARATING:**
  Footpaths from roadways
- **CHANNELLING:**
  Directing the movement of crowds, cyclists, vehicles
- **PROTECTING:**
  Prevent people from entering roadways carelessly or unknowingly at blind spots

Bollards as a stand-alone product in conjunction with railing systems complement each other in many parts of the cityscape, because they make the composition of the street furniture appear more homogeneous.

Based on the 3p-Technology fastening system, we have developed two different connections:

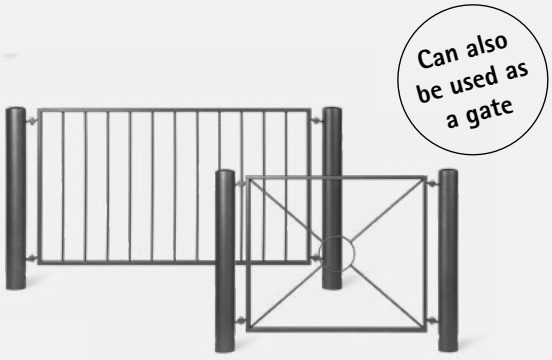
RAILING-SYSTEM 1

For selected cast aluminium bollards
(e.g. all ABES Classics, see p. 30ff)



RAILING-SYSTEM 2

For cylindrical steel or cast aluminium bollards



FOR CAST ALUMINIUM BOLLARDS

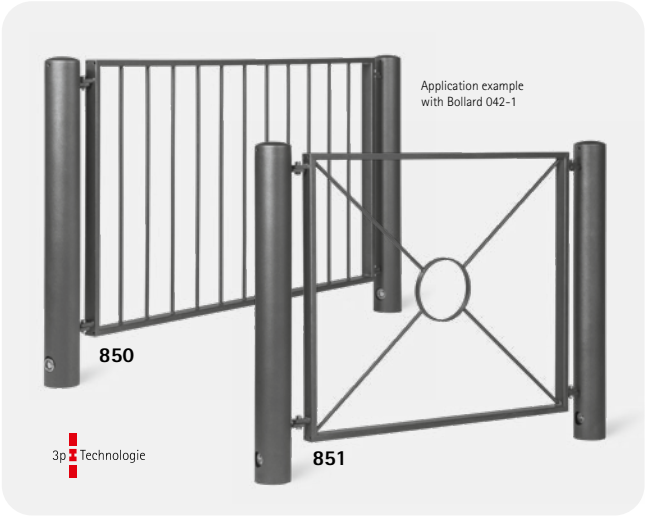
RAILING-SYSTEM 1

Railing-Bollard 027-7 | *end bollard – cast aluminium*
Railing-Bollard 027-8 | *center bollard – cast aluminium*
Railing 810 | *set of railing tubes – steel*

Railing-System 1 is only possible with cast aluminium bollards because the locating hole for the railing tube is moulded as an integral component into the bollard. As a matter of principle, the shape of the bollard must be suitable for this locating hole, i.e. it should have a cylindrical, rectangular or flat shape (examples: 001, 008, 009, 010, 016, 027, 043 among others).

Advantages at a glance

- ABES bollard models already integrated in the urban landscape can be used.
- Railing tubes can be cut to the required length on the construction site or on request as needed.
- After inserting the tubes into the locating holes, these can be fixed in situ if required, for example using grub screws.
- The barrier can be extended as required (modular).
- The bollards can be customised if desired with a moulded municipal coat of arms or logo.



FOR STEEL OR CAST ALUMINIUM BOLLARDS

RAILING-SYSTEM 2

Railing 850 | *with vertical truss bars - steel*
Railing 851 | *with diagonal truss bars - steel*

Railing-System 2, consisting of at least two end-to-end cylindrical ABES bollards* with 3p-Technology, acting as railing end bollards or centre bollards using two or four horizontal and angle-adjustable universal brackets. This means that they can be used on one or more sides for an ABES Railing 850 or 851.

Advantages at a glance

- Can be attached to all straight, non-conical bollards.
- Most ABES bollard models can be subsequently fitted with corresponding supports.
- Changes of direction between 2 bollards of up to approx. 150° are possible using the articulated joint.
- The barrier can be extended as required (modular).
- On aluminium bollards if desired with a moulded municipal coat of arms or logo.
- Individual truss bars on request.

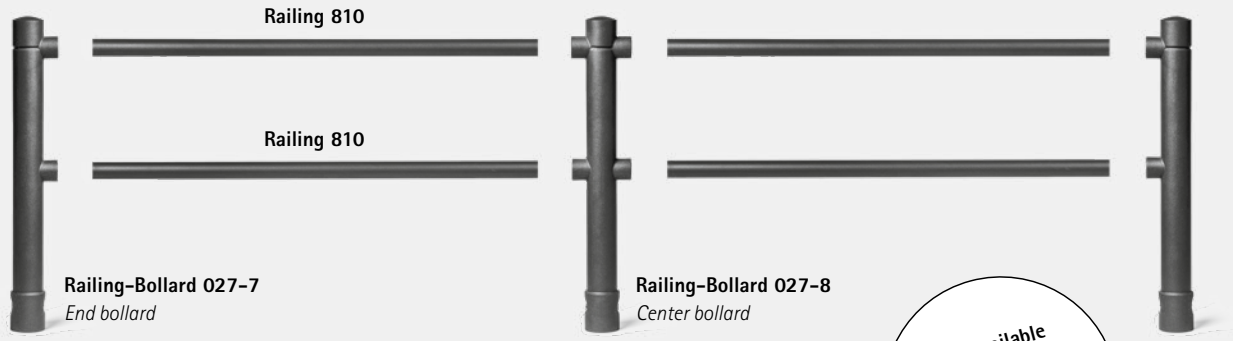
Configure your own individual 3p-Technology RAILING-SYSTEM 1

Railing-System 1 – Railing Configurator
https://abes-online.com/en/barriersystems/

Railing 850 (with vertical truss bars):
https://abes-online.com/en/product/railing-850-with-vertical-truss-bars/

Railing 851 (with diagonal truss bars):
https://abes-online.com/en/product/railing-851-with-diagonal-truss-bars/

*Bollards not included in delivery



Railing-Bollard 027-7
End bollard

Railing-Bollard 027-8
Center bollard

Also available for other selected bollards (e.g. all ABES classic Bollards) page 31

FOR CAST ALUMINIUM BOLLARDS

RAILING-SYSTEM 1

Specifications

RAILING-BOLLARD 027-7 (end bollard)

Cylindrical bollard with a groove at the top and a cylindrical base with two casted circular tube sockets for the connection of an ABES railing 810 on one side.

RAILING-BOLLARD 027-8 (center bollard)

Cylindrical bollard with a groove at the top and a cylindrical base with four casted circular tube sockets for the connection of an ABES railing 810 on two sides.

RAILING 810 (railing tubes)

Set of two steel tubes Ø 48 mm, 2000 mm length, to connect to ABES Railing-Bollards 027-7 or 027-8.

Mounting

Removable with 3p-Technology

Alternative: concrete embedment or with self-engaging 3p-Snaplock fastening system

Finish

Powder coating in standard RAL colours or DB 703

Notes

- Railing-bollards 027-7/-8 identical with bollard 027-2
- Also available for other cast aluminium bollards *(e.g. all ABES Classics, see page 30ff).*
- The shape of the bollard must be suitable for this locating hole, i.e. it should have a cylindrical, rectangular or flat shape.

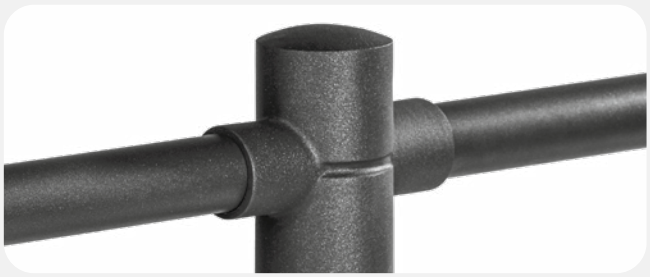
CA 3D

027-7 027-8 810

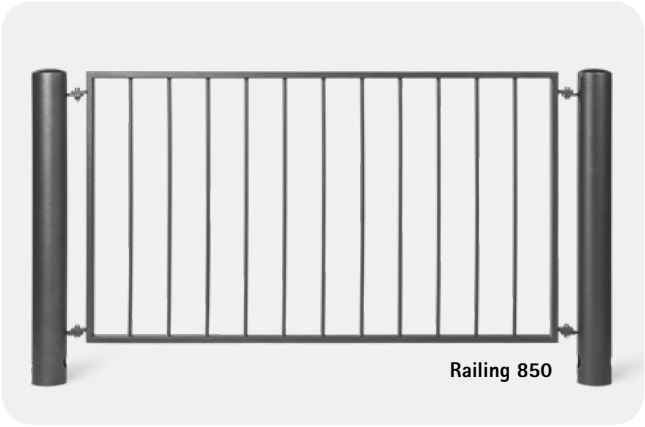
3p Technologie

◀
Bollard models (here bollard 027-2 with Heidelberg coat of arms) already integrated in the urban landscape can be used.

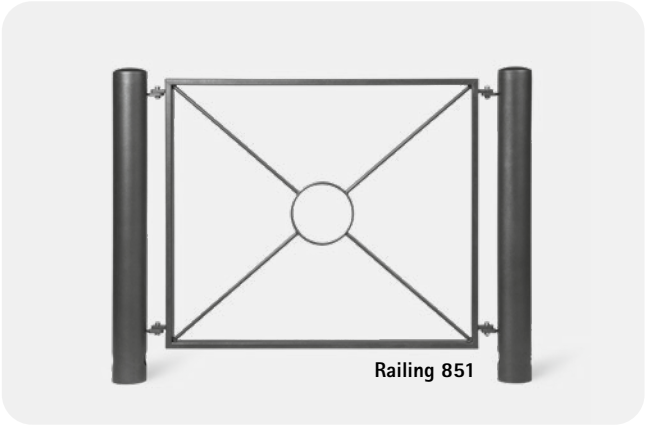
▼
System extendable as required.



For available accessories and special designs, refer to pages 174-176 ➔



Railing 850



Railing 851

FOR STEEL OR CAST ALUMINIUM BOLLARDS

RAILING-SYSTEM 2

Specifications

RAILING 850 (with vertical truss bars)

Railing 850, consisting of a frame made of 50 × 50 × 2 mm flat steel with Ø 12 mm vertical steel truss bars, powder-coated in standard RAL or DB 703 glimmer grey, as well as two lugs for the fixation with screws on each side, supported by two ABES bollards* by means of two universal supports on each side.

Mounting

Universal support with adjustable angle

Finish

Powder coating in standard RAL colours or DB 703

Note

The illustration shows Railing 850 fastened to two removable ABES Bollards 042-1 *(see pages 60-61).*

Specifications

RAILING 851 (with diagonal truss bars)

Railing 851, consisting of a frame made of 50 × 50 × 2 mm flat steel with Ø 12 mm diagonal steel truss bars anda centered circle-shaped rolled flat steel ornament, powder-coated in standard RAL or DB 703 glimmer grey, as well as two lugs on each side, supported by two ABES bollards* with dedicated universal supports.

Mounting

Universal support with adjustable angle

Finish

Powder coating in standard RAL colours or DB 703

Note

The illustration shows Railing 851 fastened to two removable ABES Bollards 042-1 *(see pages 60-61).*

ST 3D

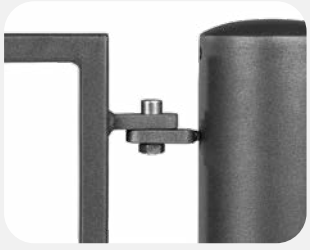
850 851

3p Technologie

Most ABES bollards with 3p-Technology can be used.

▶
Supports included in delivery can be subsequently fastened to existing bollards.

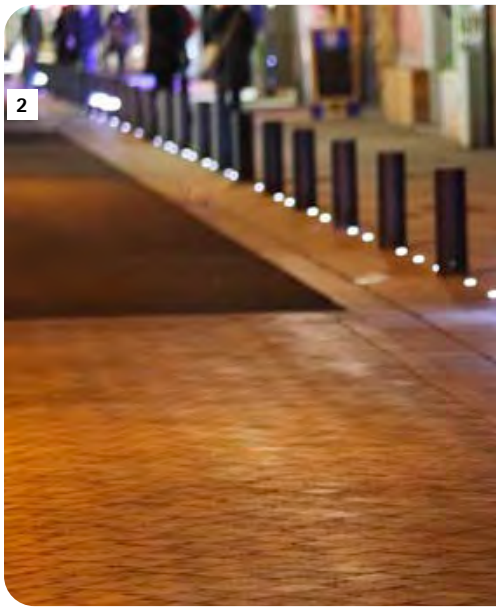
▼
The angle of the railing to the bollard is variable.



*Bollards not included in delivery

RAL colors and detailed information can be found on the back cover fold-out →

1


2

3

4

1: Feeder-Bollard 300-2 *Kayl, Luxembourg: page 79* | **2: Lighting-Bollard LED 220** *Cologne, Germany: page 81*
3: Lighting-Bollard 210 LED *Kayl, Luxembourg: page 80* | **4: Lighting-Bollard 230** *Olm-Capellen, Luxembourg: page 82*

FUNCTIONAL BOLLARDS & ILLUMINATED BOLLARDS

The ABES functional bollards are the specialists among the barrier posts. They not only perform the usual tasks of demarcating public open spaces, but also supply town squares and pedestrian zones with power, water and light. Like all bollards from the ABES product range, they meet the highest demands for design and looks – and prove to be elegant all-rounders (for urban life).

Different aspects have to be considered when it comes to urban lighting, because light design is faced with demanding challenges everywhere: Basically, however, it's about orientation and safety. In addition, light has become a major element of urban design.

· **Suitable for playgrounds and sports fields**

BOLLARD 026

026-1 | *Rubber granulate* | *600 mm*
026-2 | *Rubber granulate* | *900 mm*

Specifications

Dual waisted bollard made of rubber granulate with a distinct top, middle and base section.

Mounting

Removable with 3p-Technology

Alternative: concrete embedment

Finish

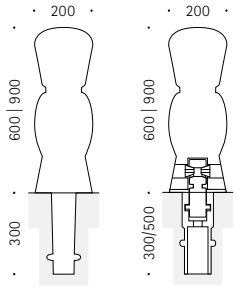
· Rubber granulate (anthracite)

· Available colours (not RAL): reddish-brown (see photo), grey, green

		Fixed mounting	3p-Technology
Bollard 026-1	600 mm	**026.001**	**026.020**
Bollard 026-2	900 mm	**026.101**	**026.120**

RUB

3p Technologie



BOLLARD-ASHTRAY 525

Steel + Stainless steel | *1097 mm*

Specifications

Fully cylindrical bollard ashtray with a sloping slot area. Labelling in the form of an outlined, laser-printed cigarette symbol.

Mounting

Removable with 3p-Technology

Alternative: concrete embedment or with flange to enable screwing

Finish

· Stainless steel 1.4301 smoothed, grain 240
Optional: electropolished/high-gloss

· Steel S235, galvanised with powder coating in standard RAL colours or DB 703

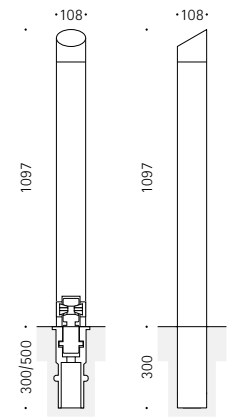
· May be unlocked for emptying using a triangular key

· Height can be adjusted on customer request

		Fixed mounting	3p-Technology	For screwing
Ashtray 525	Steel S235	**525.001**	**525.020**	**525.040**
Ashtray 525	Stainless steel 1.4301	**525.011**	**525.022**	**525.140**

ST AISI 3D

3p Technologie



For available accessories and special designs, refer to pages 174–176 ➔

Type F sockets included in delivery are fitted on site into the openings provided.

CHARGING-BOLLARD 665 with 3 sockets

Steel | 900 mm

Specifications

Rectangular steel bollards with a flat locking top part, prepared for fitting three Type F sockets (each 230 V, 16 A, IP54) for connecting e-bikes, for example.

Mounting

With flange to enable screwing

Finish

· Steel S235, galvanised with powder coating in standard RAL colours or DB 703

· Height can be adjusted on customer request

Technical information

with regard to a Type F (Schuko) socket

Power supply:	230 Volt DC
Power rating:	16 A
IP Code:	IP54

Note

· Electrical configurations on demand at an additional cost.

· Other technical components, such as a residual-current circuit-breaker (FI), controls or cables, are not included in the scope of delivery.

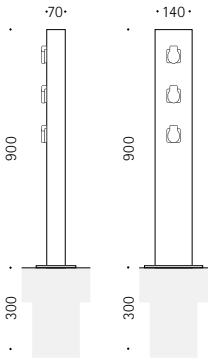
· The fuse protection and connection must be carried out on site by a specialist firm (trained personnel).

Identical with Bollard 065, *see p. 65* and Lighting-Bollard 265 LED, *on p. 84*

Identical with Bollard 065 and Lighting-Bollard 265 LED

Can be used for example as a charging station for e-bikes.

Type F (Schuko) mains sockets incl. fixing material included in delivery.

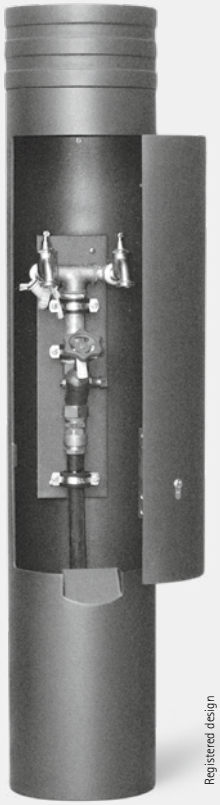


		For screwing
Charging-Bollard 665	galvanized	**665.040**
Charging-Bollard 665	alvanized and powder-coated	**665.041**

ST

3p Technologie

RAL colors and detailed information can be found on the back cover fold-out →



FEEDER-BOLLARD 300-1

Steel | 1335 mm

Specifications

Cylindrical tube with two grooves at the top and a flattened upper end. Access to the internal circuit via a lockable door, including cable slide. IP Code IP44.

Mounting

Screw-on inside the bollard

Finish

- Hot-dip galvanised steel S235, cast aluminium top, powder coating in standard RAL colours or DB 703
- Standard design with adapter plate without electricity and water connections
- Incl. cable slide (operation possible with the flap closed)

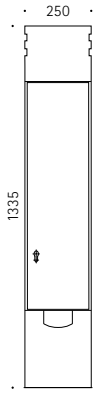
Equipment with either electrical or water connection possible at an additional cost.

Can be used as a bicycle charging station.

	Fixed mounting
Feeder-Bollard 300-1	**300.010**

ST 3D

Can also be used as a bicycle charging station.



FEEDER-BOLLARD 300-1
EII *Luxembourg*

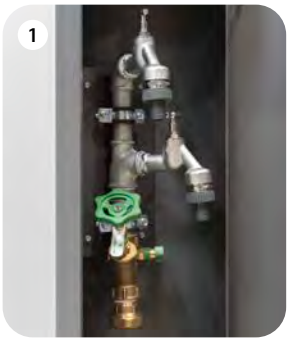
FEEDER-BOLLARD 300-1 AND 300-2

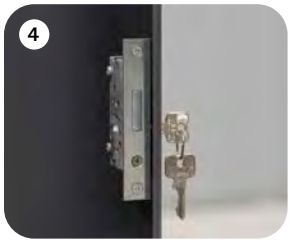
1 **Fittings for electrical or water connection (optional)**
Example: Water connection with two 3/4" tapping points with hose coupling and an emptying facility before periods of frost.

2 **Incl. cable feeder**
Wires can be led out through the cable feeder, enabling operation even when the flap is closed.

3 **Lockable access panel**
With profile cylinder lock

4 **Delivery incl. 3 keys**





For available accessories and special designs, refer to pages 174–176 →

FEEDER-BOLLARD 300-2

Steel | 1340 mm

Specifications

Cylindrical tube with a circumferential set-on ring in the top section as well as a hemispherical upper closure. Access to the internal circuit via a lockable door, including cable slide. IP Code IP44.

Mounting

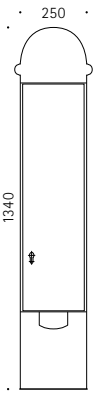
Screw-on inside the bollard

Finish

- Hot-dip galvanised steel S235, cast aluminium top, powder coating in standard RAL colours or DB 703
- Standard design with adapter plate without electricity and water connections
- Incl. cable slide (operation possible with the flap closed)

Equipment with either electrical or water connection possible at an additional cost.

Can be used as a bicycle charging station.



	Fixed mounting
Feeder-Bollard 300-2	**300.020**

ST

1 **FEEDER-BOLLARD 300-2**
Daun *Germany*

2 **FEEDER-BOLLARD 300-1/ FEEDER-BOLLARD 300-2**
Mersch *Luxembourg*

RAL colors and detailed information can be found on the back cover fold-out →

LED – BLAZING ROLE MODELS

The LED lighting bollards 210, 220, 230 and 240 are setting an example in matters of energy consumption. With a power consumption of less than 4 watts per hour, they significantly reduce the urban electricity costs compared to conventional light sources.

All these models are available with 3p-Technology only.

LIGHTING-BOLLARD 210 LED

Cast aluminium | 870 mm

Specifications

Fully cylindrical lighting bollard made of cast aluminium with a flat top.
With LED lighting in the head section, 2 LED strips each with 14 LEDs and Perspex diffuser (PMMA). Operated with 24 V extra-low voltage, 2 m connector cable with plug coupling in the base. IP Code IP67.

Mounting

Available only with 3p-Technology

Finish

Powder coating in standard RAL colours or DB 703

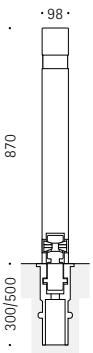
Technical information

- Light unit: 2 LED strips, each with 14 LEDs
- Power supply: 24 Volt DC
- Power input: 4 W
- Luminous flux: approx. 430 lm
- Beam angle: vertical 360°, horizontal approx. 120°
- Light colour: 6000 K, 4000 K or 2700 K
- IP Code: IP67

Note

- Including power cable, consisting of a bollard-sided cable with a plug (IP67, 50 cm) and a ground-sided cable with a socket (IP67, 150 cm).
- Technical components for power supply and control are not included. The connection has to be made by the customer.

Identical with Bollard 031-1, *see page 34*



For more information, please scan the QR code or visit www.abes-online.com.

CA LED 3D 3p Technologie

For available accessories and special designs, refer to pages 174–176 →

No risk of electric shock
due to low 24 V voltage

ADVANTAGES AT A GLANCE

- Significantly lower power consumption by LEDs
- Considerably longer life than conventional light sources
- LED unit is replaceable
- No risk of electric shock, since safety extra-low voltage
- The junction piece can be replaced in a few minutes only
- Quick disassembly for short-term space requirements
- Ground shell can be covered, therefore no risk of tripping

LIGHTING-BOLLARD 220 LED

Cast aluminium | 180 · 600 mm

Specifications

Fully cylindrical lighting bollard made of cast aluminium with a flat top.
With LED lighting in the lower section, 1 LED strip of 21 LEDs and acrylic glass diffuser (PMMA). Operated with 24 V extra-low voltage, 2 m connector cable with plug coupling in the base. IP Code IP67.

Mounting

Available only with 3p-Technology

Finish

Powder coating in standard RAL colours or DB 703

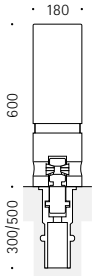
Technical information

· Light unit: 1 LED strip of 21 LEDs
· Power supply: 24 Volt DC
· Power input: 3 W
· Luminous flux: approx. 320 lm
· Beam angle: vertical 360°, horizontal approx. 120°
· Light colour: 6000 K, 4000 K or 2700 K
· IP Code: IP67

Note

· Including power cable, consisting of a bollard-sided cable with a plug (IP67, 50 cm) and a ground-sided cable with a socket (IP67, 150 cm).
· Technical components for power supply and control are not included. The connection has to be made by the customer.

Identical with Bollard 055-1, *see page 55*



For more information, please scan the QR code or visit www.abes-online.com.

CA LED 3p Technologie

RAL colors and detailed information can be found on the back cover fold-out →

LIGHTING-BOLLARD 230 LED

Cast aluminium | 150 · 1000 mm

Specifications

Continuous cylindrical light bollard made of cast aluminium with a flat top. With LED lighting in the head section, 1 LED strip of 21 LEDs and acrylic glass diffuser (PMMA). Operated with 24 V extra-low voltage, 2 m connector cable with plug coupling in the base. IP Code IP67.

Mounting

Available only with 3p-Technology

Finish

Powder coating in standard RAL colours or DB 703

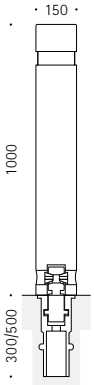
Technical information

· Light unit: 1 LED strip of 21 LEDs
· Power supply: 24 Volt DC
· Power input: 3 W
· Luminous flux: approx. 320 lm
· Beam angle: vertical 360°, horizontal approx. 120°
· Light colour: 6000 K, 4000 K or 2700 K
· IP Code: IP67

Note

· Including power cable, consisting of a bollard-sided cable with a plug (IP67, 50 cm) and a ground-sided cable with a socket (IP67, 150 cm).
· Technical components for power supply and control are not included. The connection has to be made by the customer.

Identical with Bollard 057, *see page 54*



For more information, please scan the QR code or visit www.abes-online.com.

CA LED 3p Technologie

For available accessories and special designs, refer to pages 174–176 ➔

LIGHTING-BOLLARD 240 LED

Cast aluminium | 870 mm

Specifications

Cylindrical cast aluminium bollard with three circumferential grooves and a conical base. Ring-shaped installation of six LED spotlights in V4A stainless steel casing between the first and second groove. Operated with 12 V DC safety extra-low voltage, 2 m connector cable with plug coupling in the base. IP Code IP67.

Mounting

Available only with 3p-Technology

Finish

Powder coating in standard RAL colours or DB 703

Technical information

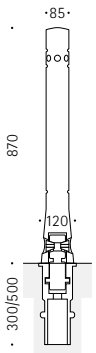
- Light unit: 6 × LED spotlights, Ø 25 mm
- Power supply: 12 Volt DC
- Power input: 1.5 W (6 × 0.25 W)
- Luminous flux: 6 × approx. 16 lm
- Beam angle: vertical 360°, horizontal approx. 120°
- Light colour: 5000 K (cool white), 2700 K (warm white)
- IP Code: IP67

Note

- Including power cable, consisting of a bollard-sided cable with a plug (IP67, 50 cm) and a ground-sided cable with a socket (IP67, 150 cm).
- Technical components for power supply and control are not included. The connection has to be made by the customer.

Identical with Bollard 008, *see page 31*

Design: hammerl runge.design



For more information, please scan the QR code or visit www.abes-online.com.

CA LED

3p Technologie

RAL colors and detailed information can be found on the back cover fold-out →

Lighting-Bollard 265 LED-A

LIGHTING-BOLLARD 265 LED

Steel | 900 mm

Specifications

Lighting-Bollard 265 LED-A:
Rectangular steel bollard with a flat top and a vertical LED light strip (650 mm) on both narrow sides. Each with 2 LED strips, acrylic glass (PMMA) diffuser, operated using 24 V safety extra-low voltage, 2 m connector cable with plug socket at the base of the bollard. IP Code IP67.

Lighting-Bollard 265 LED-B:
Rectangular steel bollard with a flat top and a vertical LED light strip (550 mm) on both wide sides. Each with 2 LED strips, acrylic glass (PMMA) diffuser, operated using 24 V safety extra-low voltage, 2 m connector cable with plug socket at the base of the bollard. IP Code IP67.

Mounting

Removable with 3p-Technology

Optional: with flange to enable screwing

Finish

· Steel S235, galvanised with powder coating in standard RAL colours or DB 703
· Stainless steel 1.4301 on request
· Height can be adjusted on customer request

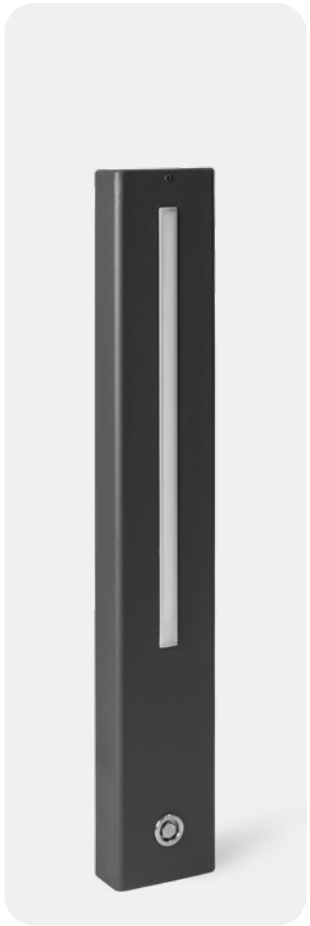
Technical information

· Light unit: 2 LED strips (550 mm/650 mm)
· Power supply: 24 Volt DC
· Power input (max.): approx. 2 × 8 W (550 mm) resp. approx. 2 × 9.5 W (650 mm)
· Luminous flux (max.): approx. 2 × 360 lm (550 mm) resp. approx. 2 × 430 lm (650 mm)
· Beam angle: 120°
· Light colour: RGB + white (4000 K)
· IP Code: IP67

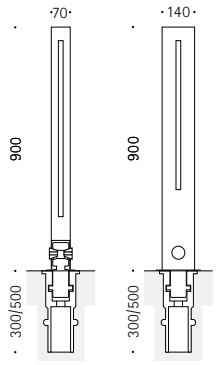
Note

· Including power cable, consisting of a bollard-sided cable with a plug (IP67, 50 cm) and a ground-sided cable with a socket (IP67, 150 cm).
· Technical components for power supply and control are not included. The connection has to be made by the customer.
· The ground rosette is part of the delivery (for 3p-Technology)
Completely covers the ground shell
Material: S235 steel, hot-dip galvanised and powder-coated in bollard paint

Identical with Bollard 065, *see page 65*
and Charging-Bollard 665 with 3 sockets, *see page 77*



Lighting-Bollard 265 LED-B



For more information, please scan the QR code or visit www.abes-online.com.

ST LED 3p Technologie

For available accessories and special designs, refer to pages 174–176 ➔

LIGHTING-BOLLARD 266 LED

Steel | 900 mm

Specifications

Square steel bollard with a flat top and a vertical LED light strip (650 mm) on two opposite sides. Each with 2 LED strips, acrylic glass (PMMA) diffuser, operated using 24 V safety extra-low voltage, 2 m connector cable with plug socket at the base of the bollard. IP Code IP67.

Mounting

Removable with 3p-Technology

Optional: with flange to enable screwing

Finish

· Steel S235, galvanised with powder coating in standard RAL colours or DB 703

· Stainless steel 1.4301 on request

· Height can be adjusted on customer request

Technical information

· Light unit: 2 LED strip (650 mm)

· Power supply: 24 Volt DC

· Power input (max.): approx. 2 × 8.5 W

· Luminous flux (max.): approx. 2 × 430 lm

· Beam angle: 120°

· Light colour: RGB + 4000 K

· IP Code: IP67

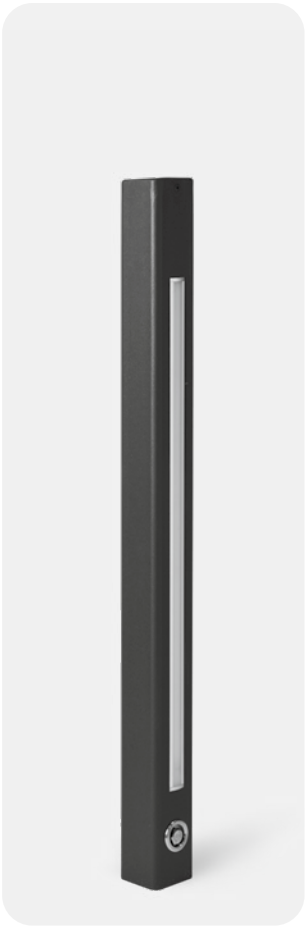
Note

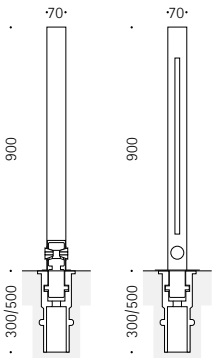
· Including power cable, consisting of a bollard-sided cable with a plug (IP67, 50 cm) and a ground-sided cable with a socket (IP67, 150 cm).

· Technical components for power supply and control are not included. The connection has to be made by the customer.

· The ground rosette is part of the delivery (for 3p-Technology)
Completely covers the ground shell
Material: S235 steel, hot-dip galvanised and powder-coated in bollard paint

Identical with Bollard 066, *see page 65*





For more information, please scan the QR code or visit www.abes-online.com.

ST LED 3p Technologie

RAL colors and detailed information can be found on the back cover fold-out →

Lighting-Bollard 210 LED *page 80*

LIGHTING-BOLLARD 267 LED

Steel | 1060 mm

Specifications

Fully cylindrical lighting bollard made of steel with a flat top. Lighting unit, consisting of a light fixture with 4 LED strips and a diffuser made of satined acrylic glass. Operates with 24 V safety extra-low voltage. 2 m power cable with plug and socket coupling in the lower part of the bollard. IP Code IP67.

Mounting

Removable with 3p-Technology

Optional: with flange to enable screwing

Finish

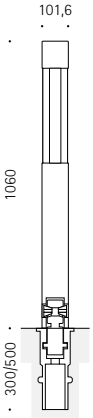
- Steel S235, galvanised with powder coating in standard RAL colours or DB 703
- Stainless steel 1.4301 on request
- Height can be adjusted on customer request

Technical information

- Light unit: 4 LED strips with a length of approx. 30 cm each
- Power supply: 24 volt DC
- Power input (max.): 11,5 W
- Luminous flux (max.): approx. 960 lm approx. 960 lm (lighting unit, without diffusor)
- Beam angle: 360°
- Light colour: 4000 K (white)
- IP Code: IP67 at the base

Note

- Including power cable, consisting of a bollard-sided cable with a plug (IP67, 50 cm) and a ground-sided cable with a socket (IP67, 150 cm).
- Technical components for power supply and control are not included. The connection has to be made by the customer.



For more information, please scan the QR code or visit www.abes-online.com.

ST LED

3p Technologie

RAL colors and detailed information can be found on the back cover fold-out →

1

2

3

4

1: Combination bench and picnic table 150 *Warken, Luxemburg: page 110* | **2: Bench 141-1** *Findel, Luxemburg: page 92*
3: Bench 100 & Poller 019 *Perth, Australien: page 100 & 53* | **4: Combination bench and picnic table 151** *Wiltz, Luxemburg: page 111*

04

BENCHES & TABLES

Park benches offer passers-by a welcome opportunity to rest and relax, and for that reason they need to be comfortable. They are located in green spaces, parks and squares, and enhance the urban space with their aesthetic appearance. In public areas, however, the bench is not just a place to rest or a viewing point. It enriches the inner city, because it brings together people from different generations and stimulates communication between them.

Park benches from ABES impress with tasteful, robust steel, stainless steel or cast aluminium frames which, in combination with wood, cast aluminium, steel and stainless steel seat rests, create elegant outdoor furniture. The weatherproof material and the sturdy fastening to the ground protect the benches against vandalism and allow them to remain outside all year round.

		100	102	103	103	105	113	113	104	107-1	107-2
		With back rest	Wooden supports	Stainless steel	Wooden supports	Bollard	Stainless steel	Wooden supports	Modular	Round tube frame	
Catalogue page		**100**	**113**	**102**	**103**	**119**	**102**	**103**	**108**	**104**	
NEW 2025			2025								
Available in the online shop as a 3D model/for AR		3D	3D	3D	3D	3D			3D	3D	
Model	Bench without back rest	-	-	-	-	-	■	■	■	■	-
	Bench with back rest	■	■	■	■	-	■	■	-	-	■
	Stool	-	-	-	-	■	-	-	■	-	-
	Chair	-	-	-	-	-	-	-	-	-	-
	Table	-	-	-	-	-	-	-	-	-	-
Material	Cast aluminium (with powder coating)	-	■	-	-	■	-	-	■	-	-
	Steel S235 (galvanised with powder coating)	■	-	-	■	-	-	-	-	■	■
	Stainless steel 1.4301 (smoothed, grain 240)	■	-	■	■	-	■	■	-	■	■
	Modular configuration	-	-	-	-	-	-	-	■	-	-
Mounting	For screwing	■	■	■	■	-	■	■	■	■	■
	For concrete embedding	-	-	-	-	■	-	-	-	■	■
	Free-standing	■	-	■	■	-	■	■	■	-	-
	Removable with 3p-Technology	-	-	-	-	■	-	-	-	-	-
Options	Individual color (RAL/DB)	○	○	○	○	○	○	○	○	○	○
	Individual length	○	○	-	-	-	-	-	-	-	-
	Individual (seat) height	-	-	○	○	-	○	○	-	○	○
	Individual wooden slats	○	○	-	○	-	-	-	-	-	-
Measurements	Total width (mm)	1700	1700	2380	2380	350	1896	1896	modular	1585	1585
	Total height (mm)	740	780	835	835	450	835 (445)	835 (445)	modular	576	840
	Total depth (mm)	760	665	730	730	350	614	614	modular	340	522
	Seat width (mm)	1700	420	2284	2284	350	1800	1800	modular	1500	1500
	Seat height (mm)	420	460	430	430	450	445	445	452	437	437
	Weight (approx. in kg)	79	54	90	62,5	8	75	52	modular	26	46
	Design	hrd	hrd	Job	Job	Job					

		143-1	143-2	143	144-1	144-2	144	145		146-1	146-2	147
		Without back rest	With back rest	Table	Without rest	With back rest	Table	Stool	Table	Without	With	With back rest
Catalogue page		**94**			**95**			**109**		**96**		**101**
NEW 2025												
Available in the online shop as a 3D model/for AR			3D							3D	3D	3D
Model	Bench without back rest	■ -	- -	-	■	-	-	-	-	■	-	-
	Bench with back rest	- -	■ -	-	-	■	-	-	-	-	■	■
	Stool	- ■	- -	-	-	-	-	■	-	-	-	-
	Chair	- -	- ■	-	-	-	-	-	-	-	-	-
	Table	- -	- -	■	-	-	■	-	■	-	-	-
Material	Cast aluminium (with powder coating)	-	-	-	-	-	-	-	-	■	■	-
	Steel S235 (galvanised with powder coating)	■	■	■	■	■	■	■	■	-	-	■
	Stainless steel 1.4301 (smoothed, grain 240)	-	-	-	-	-	-	-	-	-	-	-
	Modular configuration	-	-	-	-	-	-	-	-	-	-	-
Mounting	For screwing / for screw fixing	■	■	■	■	■	■	■	■	■	■	■
	For concrete embedding	■	■	■	■	■	■	■	■	-	-	■
	Free-standing	-	-	-	-	-	-	-	-	■	■	■
	Removable with 3p-Technology	-	-	-	-	-	-	-	-	-	-	-
Options	Individual color (RAL/DB)	○	○	○	○	○	○	○	○	○	○	○
	Individual length	○	○	○	○	○	○	○	○	○	○	-
	Individual (seat) height	○	○	○	○	○	○	○	○	-	-	-
	Individual wooden slats	○	○	○	○	○	○	○	○	○	○	-
Measurements	Total width (mm)	610/1590/1890	610/1590/1890	1587	1587	1587	1587	401	574	2100	2100	1800
	Total height (mm)	453	823	750	453	813	750	453	750	602	877	800
	Total depth (mm)	444	544	735	400	544	735	401	574	615	588	780
	Seat width (mm)	520/1500/1800	520/1500/1800	-	1500	1500	-	342	-	2000	2000	1800
	Seat height (mm)	453	453	-	453	453	-	453	-	447	447	448
	Weight (approx. in kg)	13/18	16/23	31	18	23	31	9	12	18	23	40
	Design	Stefan Wehrmann 3Dsign			Stefan Wehrmann 3Dsign			Stefan Wehrmann		Stefan Wehrmann 3Dsign		Max Steffen

■ = Model | ● = Finish | ○ = Option (with a surcharge) | - = Not available | hrd = hammer.runge.design

109-1	109-2	121-1	121-2	131	141-1	141-2	142-1		142-2	
Rectangular tube frame		Without back rest	With back rest	Without back rest	Without back rest	With back rest	Without back rest		With back rest	
105		**107**		**106**	**92**		**93**			
				3D					3D	
■	-	■	-	■	■	-	■	-	-	-
-	■	-	■	-	-	■	-	-	■	-
-	-	-	-	-	-	-	-	■	-	-
-	-	-	-	-	-	-	-	-	-	■
-	-	-	-	-	-	-	-	-	-	-
-	-	■	■	■	-	-	-		-	
■	■	-	-	-	■	■	■		■	
■	■	-	-	-	-	-	-		-	
-		■	■	■	-	-	-		-	
■	■	-	-	-	■	■	■		■	
■	■	■	■	■	-	-	-		-	
-	-	-	-	-	-	-	-		-	
■	■	■	■	■	-	-	-		-	
○	○	○		○	○	○	○		○	
-	-	-	-	-	○	○	○		○	
○	○	-	-	-	-	-	-		-	
-	-	-	-	○	○	○	○		○	
1585	1585	2080	2080	2080	960/1940/2240	960/1940/2240	1702/2002	722	1702/2002	722
576	840	458	820	450	453	823	550	550	821	821
340	522	340	528	340	430	537	440	440	542	542
1500	1500	1500	1500	1500	520/1500/1800	520/1500/1800	1500/1800	520	1500/1800	520
437	437	458	458	450	453	453	453	453	453	453
26	46	48	61	48	22	27	22	16	27	20
		hammer.runge.design		hammer.runge.design	Stefan Wehrmann		Stefan Wehrmann 3Dsign			

148-1	148-2	148	149-1	149-2	150	151	153-1	153-2	108	110	1.120
Without back rest	With back rest	Table	Without rest	With rest	Combination bench and picnic table		Without back rest	With rest	Lean-on benchk	Leaning bench	Lounger
97-99			**112**		110	**111**	**114**		**118**	**118**	**119**
			2025		2025		2025				
3D	3D								3D		
■	-	-	■	-	■	■	■	-	-	-	-
-	■	-	-	■	-	-	-	■	-	-	-
-	-	-	-	-	■	■	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	■	-	-	■	■	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
■	■	■	■	■	■	■	■	■	■	■	■
-	-	-	○	○	-	-	-	-	-	-	-
■	■	-	-	-	-	■	■	■	-	-	-
■	■	■	■	■	■	■	■	■	■	■	-
-	-	-	-	-	-	■	■	■	■	-	-
■	■	■	■	■	■	-	■	■	-	-	■
-	-	-	-	-	-	-	-	-	-	-	-
○	○	○	○	○	○	○	○	○	○	○	○
○	○	○	○	○	○	○	○	○	-	○	-
-	-	-	○	○	○	○	○	○	-	-	-
○	○	○	○	○	○	○	○	○	○	○	-
520/1500/1800	520/1500/1800	1800	1800	1800	1900	1900	1910	1910	740	variabele	1000
500	920	750	781	780	730	730	670	823	1250	255	760
420	420	681	731	720	1900	1900	420	420	300	155	1840
520/1500/1800	520/1500/1800	-	1800	1800	900	900	520/1500/1800		-	520/1500/1800	1000
500	500	-	417	420	430	430	450	450	-	-	420
18	20	-	32	45	160	160	18	23	105	-	62,5
									J. P. Gillen		

Every bench is also available without wood (except lean-on bench 108 and lounger 1.120). Blueprints for the wooden slats are then part of the delivery.

BENCH 141

Steel

141-1 | *without back rest*
141-2 | *with back rest*

Specifications

Bench 141-1 without back rest, consisting of two semi-circular steel side parts capable of holding five wooden slats ending level with the steel frames.

Bench 141-2 with back rest
Optionally includes a back rest consisting of three wooden slats connected to steel girder.

Mounting

Screw-on

Finish

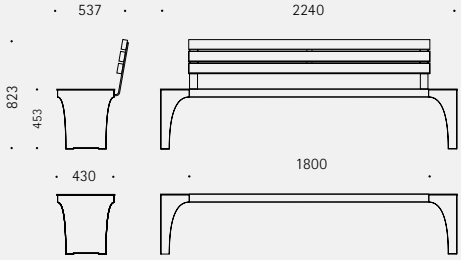
- Steel S235, galvanised with powder coating in standard RAL colours or DB 703
- Wooden supports made of robinia wood, Douglas fir or meranti
- The following changes are possible for an extra price: colour, length and wooden surface

For more information, please scan the QR code or visit www.abes-online.com.

ST

141-1 141-2

Design: Stefan Wehrmann 3Dsign



For available accessories and special designs, refer to pages 174-176 →

BENCH 142

Steel

142-1 | *without back rest*
142-2 | *with back rest*

Specifications

Bench 142-1 without back rest, consisting of two steel side parts bent outwards at the top, capable of holding five wooden slats. The side parts are higher than the seating slats and serve as armrests.

Bench 142-2 with back rest
Optionally includes a back rest consisting of three wooden slats connected to steel girders.

Mounting

Screw-on

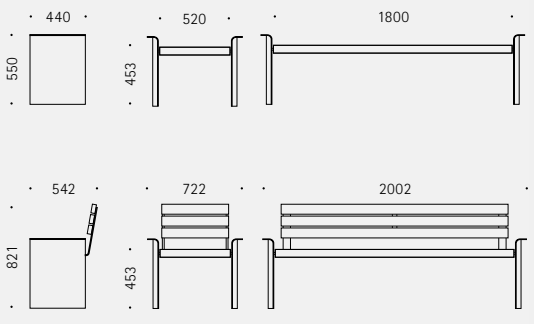
Finish

- Steel S235, galvanised with powder coating in standard RAL colours or DB 703
- Wooden supports made of robinia wood, Douglas fir or meranti
- The following changes are possible for an extra price: colour, length and wooden surface

For more information, please scan the QR code or visit www.abes-online.com.

ST 3D

142-1 142-2



Design: Stefan Wehrmann 3Dsign

RAL colors and detailed information can be found on the back cover fold-out →

BENCH 143

Steel

143-1 | *without back rest*
143-2 | *with back rest*

Specifications

Bench 143-1 without back rest, consisting of two perpendicular side parts made of steel profiles, which hold five wooden slats.

Bench 143-2 with back rest consisting of three wooden slats connected to steel girders.

Mounting

Screw-on or concrete embedment

Finish

- Steel S235, galvanised with powder coating in standard RAL colours or DB 703
- Wooden supports made of robinia wood, Douglas fir or meranti
- The following changes are possible for an extra price: colour, length and wooden surface

TABLE 143

Specifications

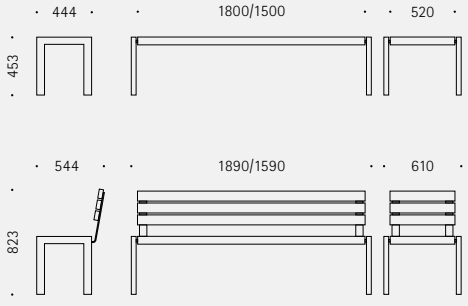
Table consisting of two perpendicular side parts made of steel profiles and a rectangular steel frame into which eight wooden slats are set flush. The lower areas of the side parts are stabilised lengthways and diagonally by supports.

For more information, please scan the QR code or visit www.abes-online.com.

ST 3D

143-1 143-2 143

Design: Stefan Wehrmann 3Dsign



For available accessories and special designs, refer to pages 174-176 →

BENCH 144

Steel

144–1 | *without back rest*
144–2 | *with back rest*

Specifications

Bench 144–1 without back rest, consisting of two T-shaped side parts made of steel profiles, connected to a rectangular steel frame into which four wooden slats are set flush as a seating slat.

Bench 144–2 with back rest consisting of three wooden slats connected to steel girders.

Mounting

Screw-on or concrete embedment

Finish

- Steel S235, galvanised with powder coating in standard RAL colours or DB 703
- Wooden supports made of robinia wood, Douglas fir or meranti
- The following changes are possible for an extra price: colour and wooden surface

TABLE 144

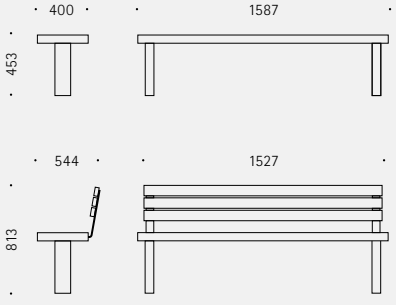
Specifications

Table consisting of two T-shaped side parts made of steel profiles, connected to a rectangular steel frame into which eight wooden slats are set flush. The lower areas of the side parts are stabilised lengthways by a support.

For more information, please scan the QR code or visit www.abes-online.com.

ST

144–1 144–2 144



Design: Stefan Wehrmann 3Dsign

RAL colors and detailed information can be found on the back cover fold-out →

CAST ALUMINIUM FRAME

BENCH 146

Cast aluminium

146-1 | *without back rest*
146-2 | *with back rest*

Specifications

Bench 146-1 without back rest
Armrests and wood slatting, consisting of two cast aluminium frames, each with two legs, an inwardly inclined panel and supports for the seat.

Bench 146-2 with back rest
Armrests and wood slatting, consisting of two cast aluminium frames, each with two legs, an inwardly inclined panel and supports for the seat. The back rest and armrests merge with one another, forming an almost 90° angle to one another.

Mounting

Free-standing or screw-on (recommended)

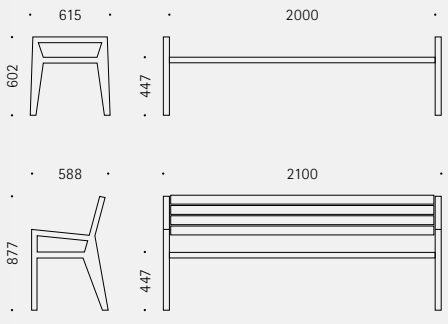
Finish

- Powder coating in standard RAL colours or DB 703
- Seating slats made of hardwood
- The following changes are possible for an extra price: colour, length and wooden surface

For more information, please scan the QR code or visit www.abes-online.com.

CA 3D

146-1 146-2



Design: Stefan Wehrmann 3Dsign

For available accessories and special designs, refer to pages 174-176 →

Advantages at a glance

- Durable frame made of cast aluminium
- Reasonably priced
- Modern, elegant design
- Ideal for city centres and parks

BENCH 148

Steel

148-1 | *without back rest*
148-2 | *with back rest*

Specifications

Bench 148-1 without back rest is a park bench without back rest and arm rests, comprising a frame with rectangular side panels made of sheet steel, to take up five wooden slats which fit flush with the frame.

Bench 148-2 with back rest is a park bench with back rest and arm rests, comprising a frame with rectangular side panels made of sheet steel, to take five up wooden slats which fit flush with the frame. Back rest consisting of four wooden slats connected by flat steel girders to the main frame.

Mounting

Free-standing or screw-on (recommended)

Finish

- Steel S235, galvanised with powder coating in standard RAL colours or DB 703
- Wooden supports made of robinia wood, Douglas fir or meranti
- The following changes are possible for an extra price: colour, length and wooden surface

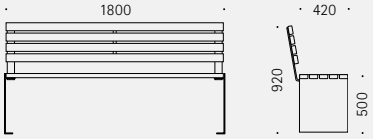
For more information, please scan the QR code or visit www.abes-online.com.

*) A seat requires 5 wooden slats, a backrest 4 wooden slats. Other types of wood and lengths are available on request.

ST 3D

148-1 148-2 148

Example of configuration:



For available accessories and special designs, refer to pages 174-176 →

MODULAR
Configure your bench in our online shop!

MODULAR

BENCH 148

Modular bench combination with row connection

Specifications

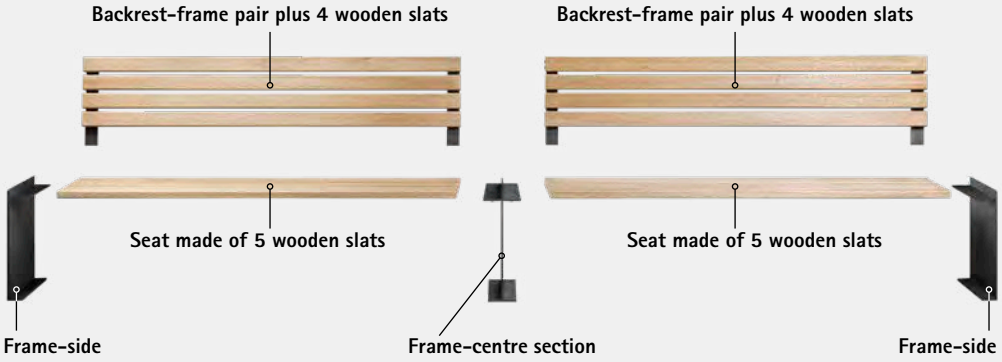
Modular park bench with flat steel frame of rectangular side parts without armrests, which serve as a receptacle for five flush-fitting wooden supports. Frame with holder for wooden slats on one or both sides, enabling row connections. Matching Table 148 is available in the same design on request.

Mounting

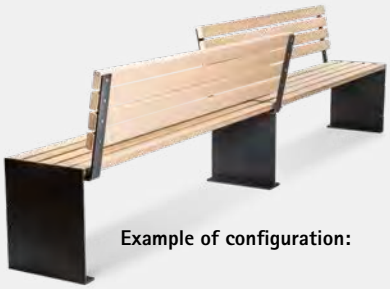
Free-standing or screw-on (recommended)

Finish

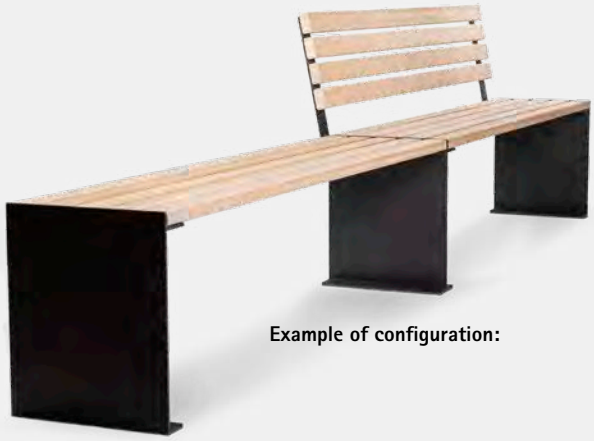
- Steel S235, galvanised with powder coating in standard RAL colours or DB 703
- Wooden supports made of robinia wood, Douglas fir or meranti
- The following changes are possible for an extra price: colour, length and wooden surface



ST 3D



Example of configuration:



Example of configuration:

RAL colors and detailed information can be found on the back cover fold-out →

BENCH 100

"The Original Design"

Steel + Stainless steel

Specifications

Park bench with back rest made of 140 mm wide steel profiles to hold the wooden slats. The profiles are bent and closed at the footing. The wooden slats align with the frames.

Mounting

Free-standing or screw-on (recommended)

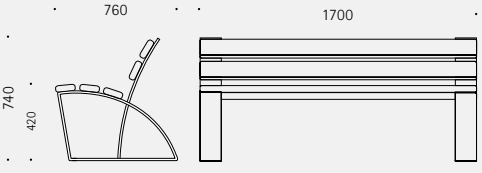
Finish

- Stainless steel 1.4301 smoothed, grain 240
  Optional: electropolished/high-gloss
- Steel S235, galvanised with powder coating in standard RAL colours or DB 703
- Seating slats made of hardwood
- The following changes are possible for an extra price: colour, length and wooden surface

For more information, please scan the QR code or visit www.abes-online.com.

ST AISI 3D

Design: hammerrunge design



For available accessories and special designs, refer to pages 174–176 →

BENCH 147

Steel

Specifications

Bench with back rest, frame made of bent steel tubes without armrests, accommodating two seats conically converging towards the center, and a slanted wooden back rest.

Mounting

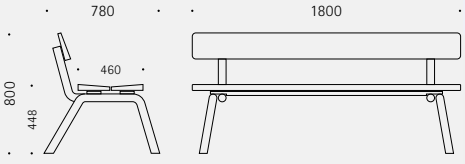
Free-standing, screw-on (recommended or concrete embedment

Finish

- Steel S235, galvanised with powder coating in standard RAL colours or DB 703
- Seating slats made of hardwood

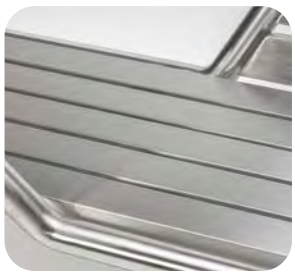
For more information, please scan the QR code or visit www.abes-online.com.

ST 3D



Design: Max Steffen | Registered design

RAL colors and detailed information can be found on the back cover fold-out →



BENCH 103

WITH STAINLESS STEEL SUPPORTS

Stainless steel

Specifications

Bench made of curved and mitred stainless steel tubes, with two diagonally opposite backrests. The stainless steel frame holds seats and backrests made of closed stainless steel profiles.

Mounting

Screw-on (recommended) or free-standing

Finish

· Stainless steel 1.4301 smoothed, grain 240
  Optional: electropolished/high-gloss

Also available as single bench:
BENCH 113

For more information, please scan the QR code or visit www.abes-online.com.

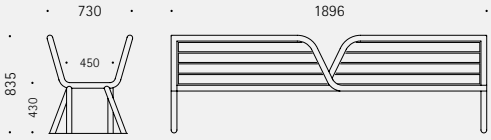
AISI

Stainless steel supports

Design: Charles O. Job

New design with stainless steel seats for the "Métropole européenne de Lille" (MEL), World Capital of Design 2020

www.designiscapital.com/projet



For available accessories and special designs, refer to pages 174–176 →

BENCH 103

WITH WOODEN SUPPORTS

Steel + Stainless steel

Specifications

Park bench made of bent steel tubes adjusted to miter with two diagonally opposite back rests. The steel frame is designed to accommodate seating supports and back rests made of wood.

Mounting

Screw-on (recommended) or free-standing

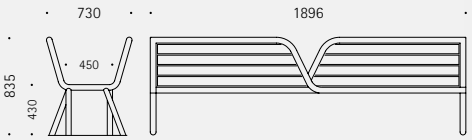
Finish

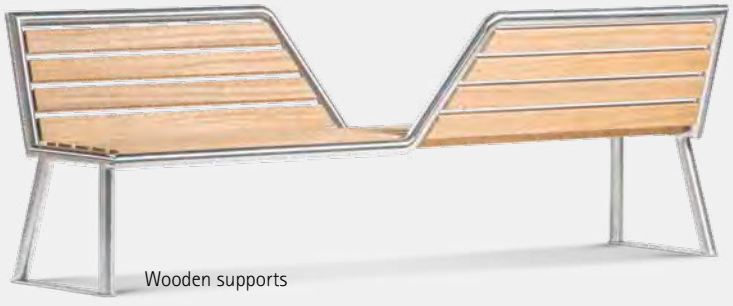
- Stainless steel 1.4301 smoothed, grain 240
  Optional: electropolished/high-gloss
- Steel S235, galvanised with powder coating in standard RAL colours or DB 703

Also available as single bench:
BENCH 113

For more information, please scan the QR code or visit www.abes-online.com.

ST AISI 3D





Wooden supports

Design: Charles O. Job

RAL colors and detailed information can be found on the back cover fold-out →

Also available as bench for senior citizen

- 10 cm higher
- Seating surface tilted slightly forward

BENCH 107

ROUND TUBE FRAME

Steel + Stainless steel

107-1 | *without back rest*
107-2 | *with back rest*

Specifications

Bench 107-1 without back rest, consisting of two U-shaped steel tube frames including mounting options for a seating slat made of several steel tube profiles.

Bench 107-2 with back rest, connected to the seat's rear tube with crescent-shaped suspensions.

Mounting

Screw-on (recommended) or set in concrete

Finish

- Stainless steel 1.4301 pickled
  Optional: electropolished/high-gloss
- Steel S235, galvanised with powder coating in standard RAL colours or DB 703
- Other colours and lengths available on request at a surcharge

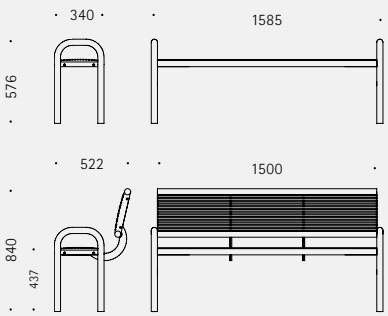
For more information, please scan the QR code or visit www.abes-online.com.

ST AISI 3D

107-1 107-2

*Against surcharge

Round tube frame



For available accessories and special designs, refer to pages 174-176 →

Also available as bench for senior citizen

- 10 cm higher
- Seating surface tilted slightly forward

BENCH 109

RECTANGULAR TUBE FRAME

Steel + Stainless steel

109-1 | *without back rest*
109-2 | *with back rest*

Specifications

Bench 109-1 without back rest, consisting of two rectangular hollow steel elements without armrests, including attachment options for a seat made of multiple steel tube profiles.

Bench 109-2 with back rest, connected to the seat's rear tube with crescent-shaped suspensions.

Mounting

Removable with 3p-Technology, with flange to enable screwing or concrete embedment

Bench 109-3 Seat cover e.g for a wall (no photo)

Finish

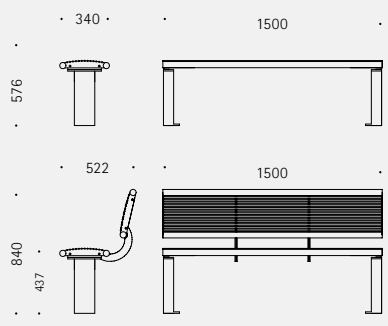
- Stainless steel 1.4301 pickled
  Optional: electropolished/high-gloss
- Steel S235, galvanised with powder coating in standard RAL colours or DB 703
- Other colours and lengths available on request at a surcharge

For more information, please scan the QR code or visit www.abes-online.com.

ST

109-1 109-2

3p Technologie



Rectangular tube frame
(also available with 3p-Technology)

121

131

MODULAR

BENCH 131

Cast aluminium

Specifications

Bench system without back rest, made of at least two conical cast aluminium bollards with a diameter of 220 mm at the base. The upper end serves to support three seating slats. Each bench bollard has a groove all around the top to distinguish the bollards from the seat support.

Mounting

Removable with 3p-Technology

Alternative: concrete embedment

Finish

- Bench bollard: cast aluminium, powder coating in standard RAL colours or DB 703 (other colours available on request at a surcharge)
- Seating slats made of hardwood
- The following changes are possible for an extra price: colour, wooden surface

***Bench 131 equipment (removable with 3p-Technology)**

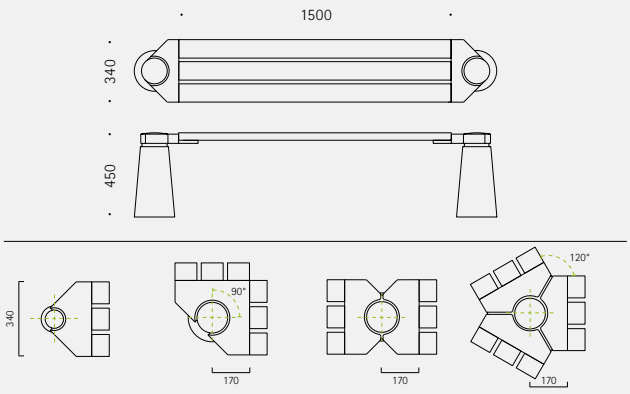
- Ground shell 300 mm (000.001)
- Junction piece (000.008)
- Clamping cone set with hex head screw (3p-SPK-N1-N2-6K)

For more information, please scan the QR code or visit www.abes-online.com.

CA 3D

3p Technologie

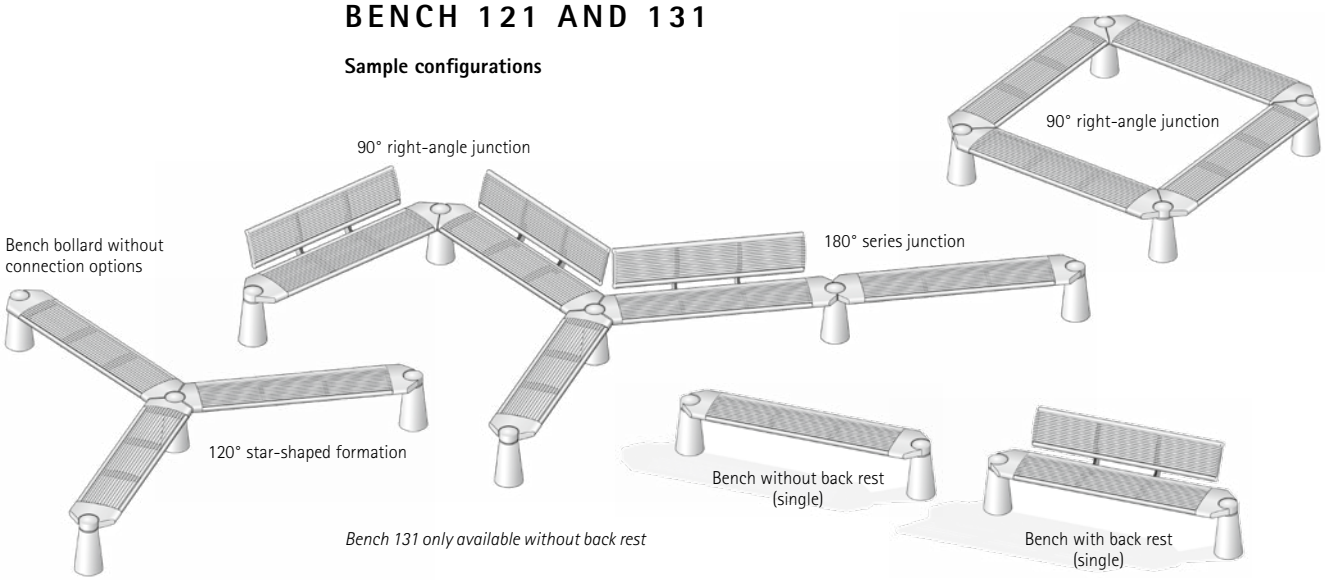
Design: hammerer.runge design



For available accessories and special designs, refer to pages 174–176 →

BENCH 121 AND 131

Sample configurations



Bench 131 only available without back rest

BENCH 121

MODULAR

Cast aluminium

121-1 | *without back rest*
121-2 | *with back rest*

***Bench 121 equipment (removable with 3p-Technology)**

- Ground shell 300 mm (000.001)
- Junction piece (000.008)
- Clamping cone set with hex head screw (3p-SPK-N1-N2-6K)

Specifications

Bench 121-1 without back rest, made of two conical cast aluminium bollards with a diameter of 220 mm at the base. The upper end serves to support 14 seat strips. Each bench bollard has a groove all around the top to distinguish the bollards from the seat support.

Bench 121-2 with back rest, connected to the rear tube of the seat support on sickle-shaped suspensions.

Mounting

Removable with 3p-Technology

Alternative: concrete embedment

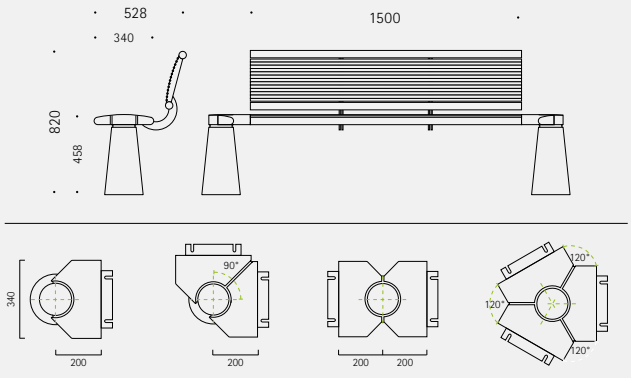
Finish

- Bench bollard: cast aluminium, powder coating in standard RAL colours or DB 703 (other colours available on request at a surcharge)
- Bench seats and back rests: Stainless steel 1.4301 smoothed, grain 240
- Bench seats and back rests: Steel S235, galvanised with powder coating in standard RAL colours or DB 703

CA ST AISI

121-1 121-2

3p Technologie



Design: hammerl runge design

RAL colors and detailed information can be found on the back cover fold-out →

MODULAR

BENCH 104

Cast aluminium

Specifications

Cast aluminium bench system without back rest, consisting of four basic units. The system has a modular construction:

- A straight seating unit
- A seating unit bent at a 45° angle
- A seating unit bent at a 90° angle
- Base with inward-facing legs, joined to a plate at the lower end, with the upper end of the plate supporting the seating units

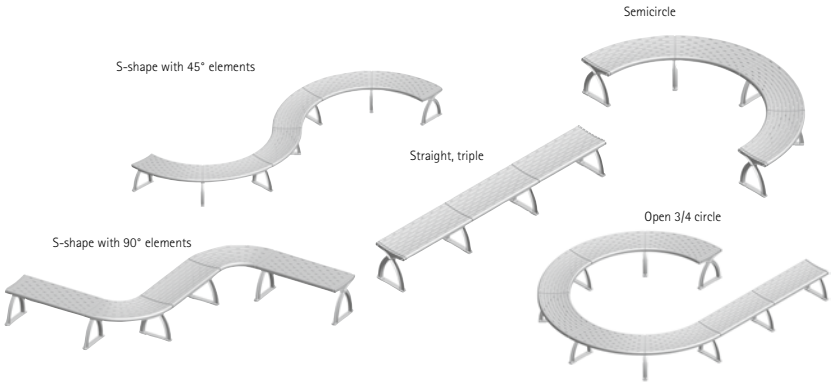
Mounting

Screw-on (recommended) or free standing

Finish

- Powder coating in standard RAL colours or DB 703 (other colours available on request at a surcharge)

Sample configuration



For more information, please scan the QR code or visit www.abes-online.com.

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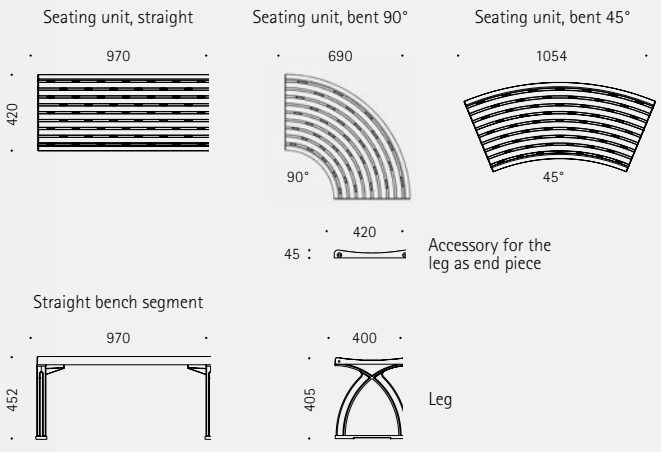


For available accessories and special designs, refer to pages 174–176 →

STOOL 145

Steel

Specifications

Stool consisting of a revolving square steel frame sitting on a steel profile and into which four wooden slats are set flush.

TABLE 145

Specifications

Table consisting of an encompassing square steel frame which sits on a steel profile and into which six wooden slats are set flush.

Mounting

Screw-on or concrete embedment

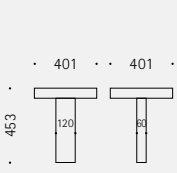
Finish

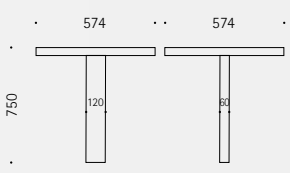
- Steel S235, galvanised with powder coating in standard RAL colours or DB 703
- Seating slats made of hardwood
- The following changes are possible for an extra price: colour and wooden surface

For more information, please scan the QR code or visit www.abes-online.com.

ST

Table Stool





Design: Stefan Wehrmann 3Dsign

RAL colors and detailed information can be found on the back cover fold-out →

COMBINATION BENCH AND PICNIC TABLE 150

Steel

Specifications

Seating group consisting of four benches (please specify the number in tenders) and one table, made of mitre-welded steel profiles, in which the benches are bolted to the table in an L-shape at a 90° angle. Wooden laths are installed with a flush fit in the table and benches.

Finish#

· Steel S235, hot-dip galvanized or hot-dip galvanized with powder coating in standard RAL colors or DB 703

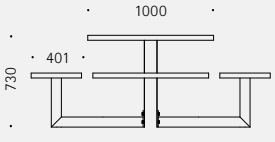
· Wood type: finger-jointed robinia (weather-resistant, European hardwood)

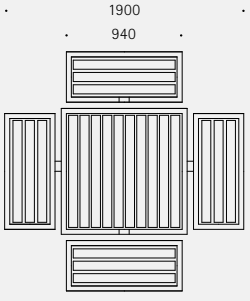
Mounting

for free-standing or screwing on (at +/- 0 mm)

For more information, please scan the QR code or visit www.abes-online.com.

ST 2025





For available accessories and special designs, refer to pages 174–176 →

COMBINATION BENCH AND PICNIC TABLE 151

Steel

Specifications

Seating group consisting of four or two benches (please specify the number in tenders) and one table, made of mitre-welded steel profiles. Wooden laths are installed with a flush fit in the table and benches. Depending on the circumstances, the individual elements can be installed individually and are either bolted on or set in concrete.

Mounting

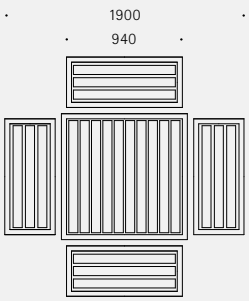
Screw-on (at +/- 0 mm) or concrete embedment

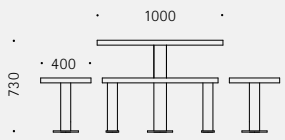
Finish

- Steel S235, hot-dip galvanized or hot-dip galvanized with powder coating in standard RAL colors or DB 703
- Wood type: finger-jointed robinia (weather-resistant, European hardwood)

For more information, please scan the QR code or visit www.abes-online.com.

ST 2025





RAL colors and detailed information can be found on the back cover fold-out →

BENCH 149

Steel + Stainless steel

149-1 | *without backrest*
149-2 | *with backrest*

Specifications

Park bench 149-1 without backrest
Bench without backrest, consisting of a pair of frames with semi-circular side parts made of sheet steel to accommodate the curved seat without backrest, as well as round bars welded to two sheet steel girders and connected to the pair of frames.

Park bench 149-2 with backrest
Bench with backrest, consisting of a pair of frames with semi-circular side parts made of sheet steel to accommodate the curved seat with backrest, as well as round bars welded to two sheet steel girders and connected to the pair of frames. They form an angle of approximately 90° to each other.

Mounting

for free-standing or screwing on (recommended)

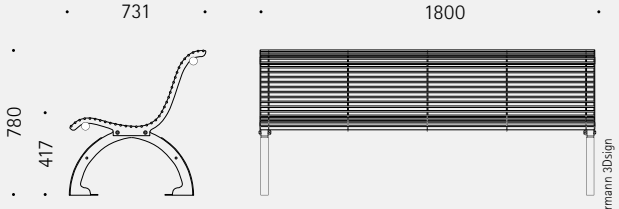
Finish

- Steel S235, galvanised with powder coating in standard RAL colours or DB 703
- Other colours and lengths available on request at a surcharge

For more information, please scan the QR code or visit www.abes-online.com.

ST 3D 2025

149-1 149-2



Design: Stefan Wehrmann 3Dsign

For available accessories and special designs, refer to pages 174-176 →

BENCH 102

Cast aluminium

Specifications

Park bench with back rest constructed of side elements made from a single piece cast aluminium to support the wooden planks. Each side element has nine circular openings. The wooden seats level with the frames.

Mounting

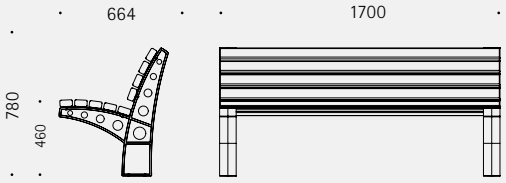
For screw fixing at +/- 0 mm. A pad footing is necessary for each side element.

Finish

- Frame made of cast aluminium with powder coating in standard RAL colours or DB 703.
- Seating slats and back rest made from hardwood.

For more information, please scan the QR code or visit www.abes-online.com.

CA 2025



Design: hammer.runge design

RAL colors and detailed information can be found on the back cover fold-out →

Also available as bench for senior citizen

- 10 cm higher
- Seating surface tilted slightly forward

MODULAR

BENCH 153

BOROFIX

Steel

153-1 | *without backrest*
153-2 | *mit Rückenlehne*

Specifications

Bench 153-1 without backrest , consisting of a pair of frames made of right-angled steel profiles, the upper end of which also serves as an armrest, as well as a support welded at seat height to accommodate five wooden seat rests.

Parkbank 153-2 with backrest consisting of a start frame and end frame as well as one or more central frames made of right-angled steel profiles, the upper end of which also serves as an armrest, as well as a support welded at seat height to accommodate five wooden seat rests. The central frame has two supports for accepting the wooden seat rests. Backrest consisting of four wooden strips connected to the main frame by flat steel girders.

Mounting

concrete embedment or for setting with BOROFIX (recommended) or free-standing installation

Finish

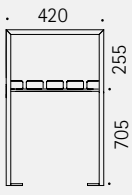
- Steel S235, galvanised with powder coating in standard RAL colours or DB 703
- Seating slats made from Robinia wood. Other wood species (e.g. Meranti, Douglas fir) are available on request at a surcharge
- Other colours and lengths available on request at a surcharge

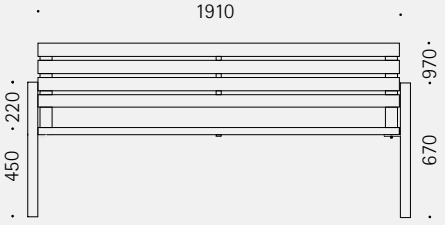
For more information, please scan the QR code or visit www.abes-online.com.

ST

153-1 153-2

2025





For available accessories and special designs, refer to pages 174-176 →

PRODUCT FAMILIES

- UNIFORM DESIGN: *increases the recognition value and strengthens the identity of the public open space.*
- FLEXIBILITY: *adaptable to various requirements and areas of use*
- SIMPLE MAINTENANCE: *interchangeable modules facilitate repair and care.*
- USER-FRIENDLINESS AND AESTHETICS: *intuitive and attractive design increases the amenity value.*

BERDORF: BOLLARD 001,BENCH 100 & WASTE CONTAINER 523-1

DESIGN AS IF FROM A SINGLE MOLD

BICYCLE-STAND 453

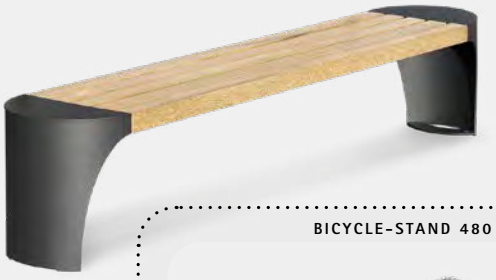
BOLLARD 059

WASTE CONTAINER 510

MODULAR PARK BENCH 153

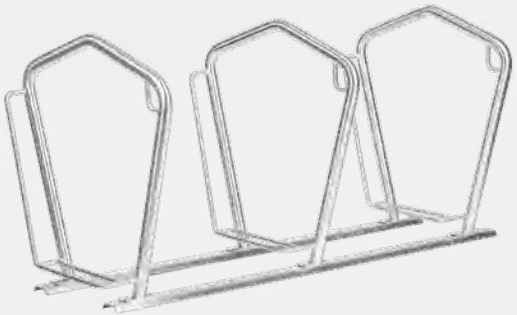
BOLLARD (ASHTRAY) 079 & 525

MODULAR PARK BENCH 141-1



WASTE CONTAINER 545

BICYCLE-STAND 480



For available accessories and special designs, refer to pages 174–176 →

BENCH 107-2

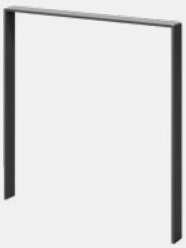
BOLLARD 076

BICYCLE-STAND 470

WASTE CONTAINER 524

WASTE CONTAINER 510

BICYCLE-STAND 471



BOLLARD 032

BOLLARD 066

MODULAR PARK BENCH 148

Application example
with Bollard 066

Design: J. P. Gilen | Registered design

LEANING-BENCH 110

Steel

Specifications

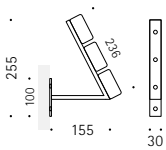
Lean-back element for mounting on continuous vertical surfaces, consisting of three hardwood slats fixed on a pair of flat steel supports that are mitered and welded at an angle of approx. 63°.

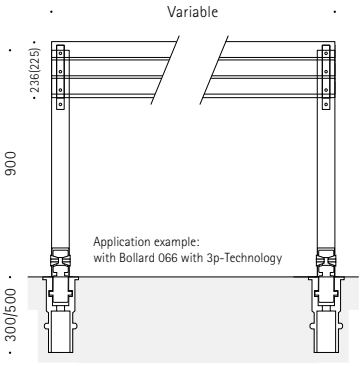
Mounting

To be fastened to continuous vertical surfaces, such as two removable ABES Bollards 066 with 3p-Technology. *(s. p. 65)*

Finish

- Steel S235, galvanised with powder coating in standard RAL colours or DB 703
- Slats made of hardwood
- The following changes are possible for an extra price: colour, length and wooden surface





For more information, please scan the QR code or visit www.abes-online.com.

ST

LEAN-ON-BENCH 108

Steel

Specifications

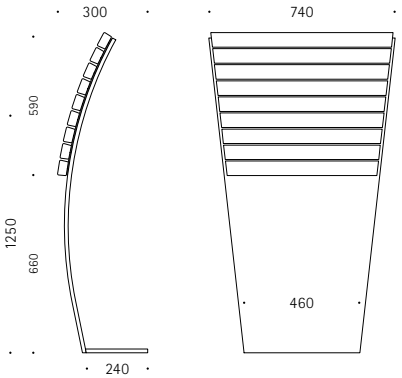
Back to top widening lean-on element with a curved profile. The upper half is equipped with a wooden covering.

Mounting

Screw-on or concrete embedment

Finish

- Steel S235, galvanised with powder coating in standard RAL colours or DB 703
- Lean-on surface made of wood



ST 3D

LOUNGER 1.120

Steel

Specifications

Lounger with ergonomically shaped surface, wooden slats and base made of zinc-phosphated (KTL) and powder-coated steel.

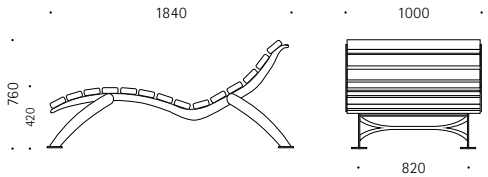
Mounting

Free-standing

Finish

- Frame: steel S235, zinc-phosphated (KTL) and powder-coated in RAL 7016 (anthracite grey)
- Bench supports: 14 slats of thermo-wood (ash)

Details see in ABES Online Shop



SEATING-BOLLARD 105

Cast aluminium

Specifications

One-piece seat bollard made of cast aluminium with small diamond-shaped apertures in the circular seat supported by a cylindrical leg, tapering slightly at the base.

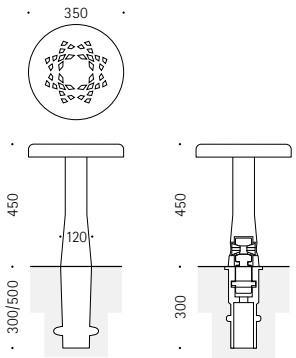
Mounting

Removable with 3p-Technology

Alternative: concrete embedment

Finish

- Powder coating in standard RAL colours or DB 703 (other colours available on request at a surcharge)



For more information, please scan the QR code or visit www.abes-online.com.

ST

CA 3D 3p Technologie

1

2

3

4

1: Waste Container 523 *Luxembourg, Luxembourg: page 129* | **2: Waste Container 524** *Cologne, Germany: page 128*
3: Waste Container 545 *Esch-sur-Alzette, Luxembourg: page1 23* | **4: Waste Container 540** *Canach, Luxembourg: page 124*

05

WASTE CONTAINERS

Waste bins are indispensable for a cultivated townscape. The models from ABES impress with both sophisticated functionality and attractive design, and blend effectively into the townscape.

Some of the robust, vandalism-resistant bins are equipped with a cover that prevents rainwater from entering and at least makes it more difficult to dump unwanted household waste. Separate internal containers simplify emptying and guarantee hygienic waste disposal.

Various models are compatible with the fastening system with 3p-Technology, allowing their easy removal at all times.

		510	522	523-1	523-2	524	527	529	530	531	540	541	545	525
Catalogue page		127	128	129	129	128	126	127	127	126	124	125	123	67
NEW 2025		2025			2025									
Available in the online shop as a 3D model and for AR				3D		3D		3D			3D		3D	
Material	Steel S235 (galvanised)	-	-	-	-	■	-	-	-	-	-	-	-	-
	Steel S235 (galvanised with powder coating)	■	■	■	■	■	■	■	■	■	■	■	■	■
	Stainless steel 1.4301 (smoothed, grain 240)	-	-	-	-	-	-	-	-	-	-	-	-	■
	Stainless steel 1.4301 (with powder coating)	-	-	-	-	-	-	-	-	-	-	-	-	-
Mounting	For screwing (with flanges)	■	-	■	■	-	■	■	■	■	■	■	■	■
	For concrete embedding	■	-	-	-	■	■	■	■	■	■	■	■	■
	Removable with ground shell	-	-	-	-	■	-	-	-	-	-	-	-	-
	Removable with 3p-Technology	■	-	-	-	-	■	■	■	■	■	■	■	■
	For post/mast fixing	■	■	-	-	-	-	-	-	-	-	-	-	-
Configuration	Incl. internal container	●	●	●	●	●	●	●	●	●	●	●	●	●
	Covered slot	●	●	●	●	●	-	-	-	-	-	-	●	-
	Unlocking/emptying using a triangular key	●	●	●	●	●	●	●	●	●	●	●	●	●
	Lateral emptying	●	-	-	-	-	-	-	-	-	●	●	●	-
	Emptying at the top	●	●	●	●	●	●	●	●	●	-	-	-	●
	Ashtray/cigarette slot	○	○	○	-	-	●	●	●	●	●	●	○	●
	Individual color (RAL/DB)	○	○	○	○	○	○	○	○	○	○	○	○	○
Measurements	Capacity (liters)	75	35	50	50	33	75	75	50	50	50/75	50/75	50/75	3,5
	Height above ground level (mm)	1010	-	975	800	1100	1181	910	855	1027	1100/1150	880/950	1100/1150	1000
	Container diameter (mm)	420x420	300	340	340	330	400	400	350	350	350/400	350/400	350/400	108
	Container height (mm)	810	700	800	800	620	961	690	635	807	807/961	635/690	805/960	-
	Weight (approx. in kg)	40	18	24	24	9	40	40	37	37	37/40	37/40	37/40	13,5
	Design	cm		hrd										

■ = Model | ● = Configuration | ○ = Option (with a surcharge) | - = Not available | hrd+hz = hammer.runge design and Heiko Zetzsche

3p Technologie

BASE 030

REMOVABLE WITH 3p-TECHNOLOGY

Tapered, removable base with 3p-Technology made of galvanized and coated cast iron. Cast-on adapter plate with four holes to accommodate street furniture provided by the customer.

Can also be used for other outdoor furniture (third-party products).

- **Waste containers with 3p-Technology can be removed at any time and cleaned at the building yard, for example.**
- **Can also be supplied as a cylindrical base on request.**

More about 3p-Technology: see pages 10-19

LATERAL EMPTYING

WASTE-CONTAINER 545

Steel | 75 + 50 liters

Specifications

Cylindrical waste container made of steel with a slanted top and a front-facing slot on the side. Lateral door with internal hinges, triangular lock and curved opening flap for the easy removal of the inner container. The waste container is supplied together with the Base 030 and has a separate cigarette slot (on demand).

Mounting

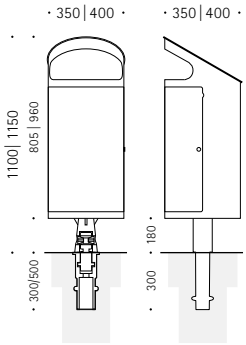
Removable with 3p-Technology (base 030)

Alternative: concrete embedment

Finish

- Steel S235, galvanised with powder coating in standard RAL colours or DB 703
- Other colours available on request at a surcharge
- Cigarette slot: Stainless steel 1.4301 (on demand)
- Incl. internal container
- Emptying: Lateral door for an easier removal of the inner container
- May be unlocked for emptying using a triangular key

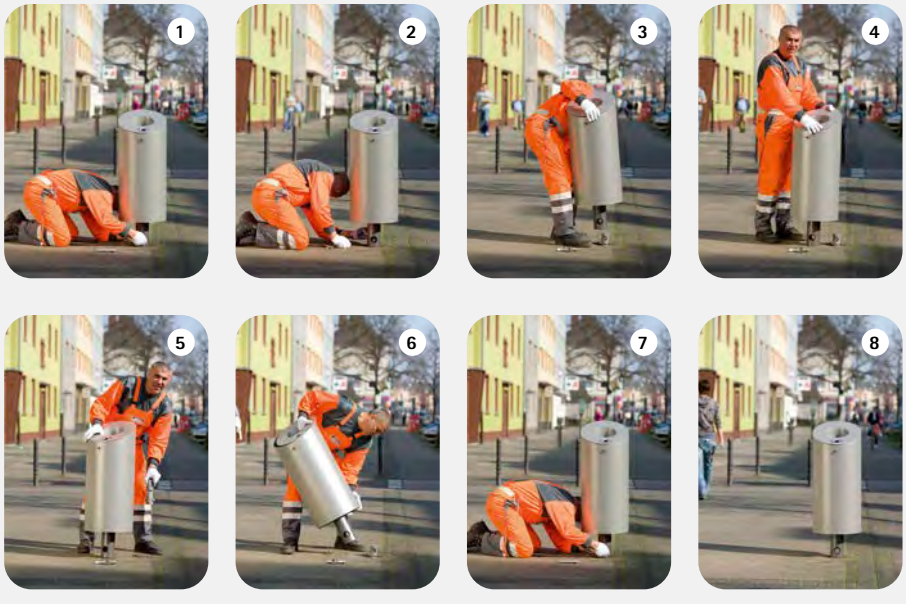
SLOPING COVER / LATERAL DOOR



			Without cigarette slot	With cigarette slot
545	75 liters	Fixed mounting	**545.201**	**545.401**
545	75 liters	With 3p-Technology	**545.220**	**545.420**
545	50 liters	Fixed mounting	**545.101**	**545.301**
545	50 liters	With 3p-Technology	**545.120**	**545.320**

ST

3p Technologie



Simple disassembly and assembly due to 3p-Technology

Removing waste container

1 Unscrew

2 Remove junction piece

3 Lift waste container out

4 Finished

Mounting waste container

5 Insert junction piece

6 Set up waste container

7 Screw in tightly

8 Finished

RAL colors and detailed information can be found on the back cover fold-out →

LATERAL DOOR
For an easier removal of the container

LATERAL EMPTYING

WASTE-CONTAINER 540

Steel | 75 + 50 liters

Specifications

Cylindrical waste container made of steel with an O-shaped slanted slot and a separate cigarette slot. Lateral door with internal hinges, triangular lock and curved opening flap for the easy removal of the inner container. The waste container is supplied together with the base 030.

Mounting

Removable with 3p-Technology (base 030)

Alternative: concrete embedment

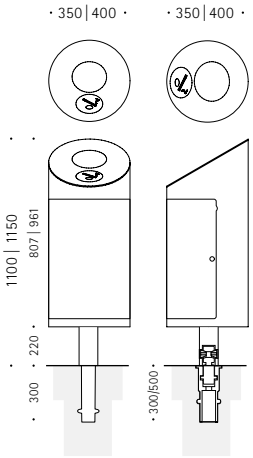
Finish

- Steel S235, galvanised with powder coating in standard RAL colours or DB 703
- Other colours available on request at a surcharge
- Cigarette slot: Stainless steel 1.4301
- Incl. internal container
- Emptying: Lateral door for an easier removal of the inner container
- May be unlocked for emptying using a triangular key

			Steel S235
Waste-Container 540	75 liters	Fixed mounting	**540.201**
Waste-Container 540	75 liters	With 3p-Technology	**540.220**
Waste-Container 540	50 liters	Fixed mounting	**540.101**
Waste-Container 540	50 liters	With 3p-Technology	**540.120**

ST

3p Technologie



ADVANTAGES AT A GLANCE

- Waste container stands completely firm without moving
- Due to its solid shell, the container generally remains undamaged after an impact
- Over 90% cost reduction for repairs
- Junction piece can be replaced in less than 3 minutes
- Only one call-out – reduced staff and vehicle costs
- Repair work does not have to be done on site
- Quick to disassemble if more space is needed at short notice
- Ground shells can be locked to prevent risk of tripping

3p Technologie

ABES Waste-Containers equipped with 3p-Technology are always removable. They can easily be carried to different locations (e.g. the building yard) for cleaning or maintenance work.

More about 3p-Technology: see pages 10-19

WASTE CONTAINERS WITH 3P-TECHNOLOGY

Practical and stylish

This type of waste container combines functionality with design. Its classic cylindrical shape fits into any cityscape.

Its strong outer shell is extremely damage-resistant and also provides enough space for signs or billboards. When combined with the optional 3p-Flex junction piece, the waste container is even more resistant to everyday (traffic) inconveniences.

For available accessories and special designs, refer to pages 172–174 →

LATERAL EMPTYING

WASTE-CONTAINER 541

Steel | 75 + 50 liters

Specifications

Cylindrical waste container made of steel with an O-shaped horizontal slot and a separate cigarette slot. Lateral door with internal hinges, triangular lock and curved opening flap for the easy removal of the inner container. The waste container is supplied together with the base 030.

Mounting

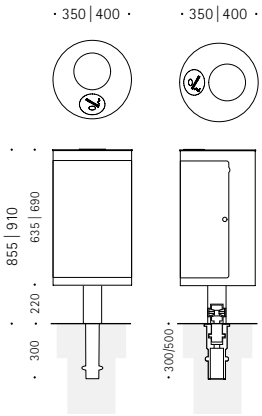
Removable with 3p-Technology (base 030)

Alternative: concrete embedment

Finish

- Steel S235, galvanised with powder coating in standard RAL colours or DB 703
- Other colours available on request at a surcharge
- Cigarette slot: Stainless steel 1.4301
- Incl. internal container
- Emptying: Lateral door for an easier removal of the inner container
- May be unlocked for emptying using a triangular key

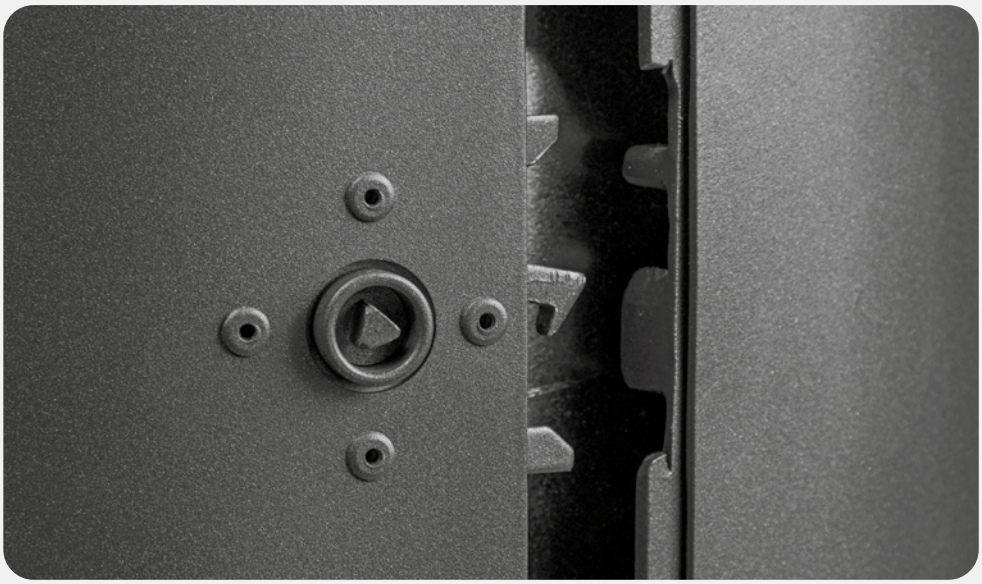
LATERAL DOOR
For an easier removal of the container



			Steel S235
Waste-Container 541	75 liters	Fixed mounting	**541.201**
Waste-Container 541	75 liters	With 3p-Technology	**541.220**
Waste-Container 541	50 liters	Fixed mounting	**541.101**
Waste-Container 541	50 liters	With 3p-Technology	**541.120**

ST

3p Technologie



Laterally opening door for the comfortable removal of the inner container.

Curved opening flap for an easier opening of the door.

RAL colors and detailed information can be found on the back cover fold-out →

Optional:
including ashtray

WASTE-CONTAINER 527 | 531

527 | *Steel* | *75 liters*
531 | *Steel* | *50 liters*

Specifications

Cylindrical steel waste container with O-shaped, sloping slot area, separate cigarette slot and top opening lid. The waste container is supplied together with the Base 030.

Mounting

Removable with 3p-Technology (Base 030)

Alternative: concrete embedment

Finish

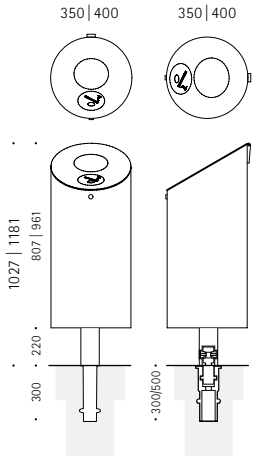
- Steel S235, galvanised with powder coating in standard RAL colours or DB 703
- Other colours available on request at a surcharge
- Cigarette slot: Stainless steel 1.4301
- Incl. internal container
- May be unlocked for emptying using a triangular key

			Steel S235
Waste-Container 527	75 liters	Fixed mounting	**527.001**
Waste-Container 527	75 liters	With 3p-Technology	**527.020**
Waste-Container 531	50 liters	Fixed mounting	**531.001**
Waste-Container 531	50 liters	With 3p-Technology	**531.020**

ST

527 531

3p Technologie



Design product families. Harmoniously matching products

More see pages 10-19.

ABES Waste-Containers equipped with 3p-Technology are always removable. They can easily be carried to different locations (e.g. the building yard) for cleaning or maintenance work.

More about 3p-Technology: see pages 10-19.

For available accessories and special designs, refer to pages 172–174 →

WASTE-CONTAINER 529 | 530

529 | *Steel* | *75 liters*
530 | *Steel* | *50 liters*

Specifications

Cylindrical steel waste container with O-shaped, horizontal slot area and separate cigarette slot. The waste container is supplied together with the Base 030.

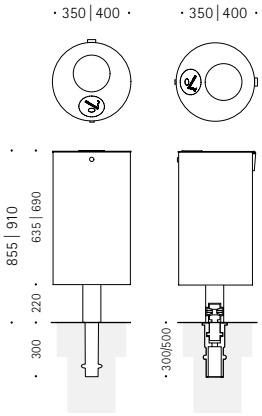
Mounting

Removable with 3p-Technology (Base 030)

Alternative: concrete embedment

Finish

· Steel S235, galvanised with powder coating in standard RAL colours or DB 703
· Other colours available on request at a surcharge
· Cigarette slot: Stainless steel 1.4301 / Incl. internal container
· May be unlocked for emptying using a triangular key



			Steel S235
Waste-Container 529	75 liters	Fixed mounting	**529.001**
Waste-Container 529	75 liters	With 3p-Technology	**529.020**
Waste-Container 530	50 liters	Fixed mounting	**530.001**
Waste-Container 530	50 liters	With 3p-Technology	**530.020**

ST

529 530

3p Technologie

Optional:
including ashtray

WASTE-CONTAINER 510

510 | *Steel* | *75 Liter*

Specifications

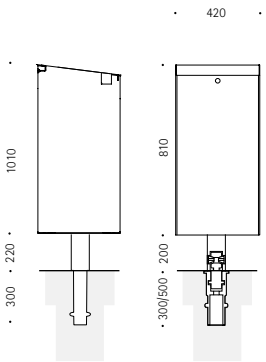
Cylindrical litter garbage can made of steel with an O-shaped horizontal insertion area, separate cigarette slot and lid that opens upwards. The litter garbage can is supplied together with the stand 030.

Mounting

Removable with 3p-Technology (stand 030)
concrete embedment

Finish

· Steel S235, galvanised with powder coating in standard RAL colours or DB 703
· Other colours available on request at a surcharge
· Cigarette slot: Stainless steel 1.4301
· May be unlocked for emptying using a triangular key



			Stahl S235
Waste-Container 510	75 L	Fixed mounting	**510.001**
Waste-Container 510	75 L	With 3p-Technology	**510.020**
Waste-Container 510		Deposit bottle holder, 4	**500.005**

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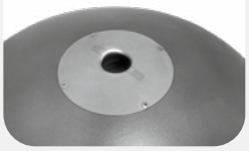
3p Technologie

RAL colors and detailed information can be found on the back cover fold-out →

Optional:
including ashtray



WASTE-CONTAINER 522

Steel | 25 liters

Specifications

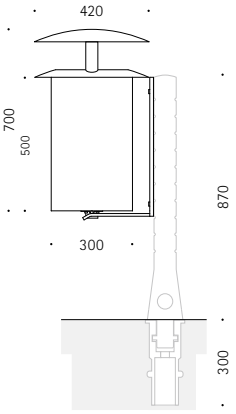
Waste Container for post or mast fixing consisting of a frame with two parallel pipes, a surrounding rim, a cover as well as a cylindrical steel container which is hinged to the frame and can be swung down.

Mounting

To be fixed on a post or mast (sold separately), e.g. ABES Bollard 027-2 with 3p-Technology

Finish

- Powder coating in standard RAL colours or DB 703
- Other colours or multicoloured configurations are available on request at a surcharge
- Incl. internal container or alternatively with spikes to hold bin liners
- Cover including ashtray available as an optional accessory
- May be unlocked for emptying using a triangular key



		Container
Waste-Container 522	S235 steel, powder-coated	**522.002**

ST

3p Technologie

WASTE-CONTAINER 524

Steel | 33 liters

Specifications

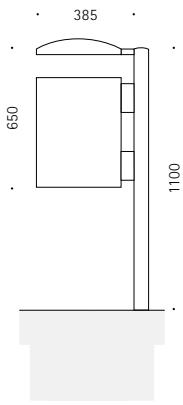
Cylindrical waste container covered with a lid and holding a capacity of approx. 33 l, affixed to a circular post. A triangular lock must be opened to empty the container.

Mounting

Concrete embedment or insertion into a standard ground shell (not 3p-Technology)

Finish

- Hot-dip galvanised steel S235, alternatively with powder coating in standard RAL colours or DB 703
- Other colours available on request at a surcharge
- Incl. internal container
- May be unlocked for emptying using a triangular key



		For concrete embedding
Waste-Container 524	S235 steel, galvanised	**524.001**
Waste-Container 524	S235 steel, powder-coated	**524.002**

ST

For available accessories and special designs, refer to pages 172–174 →

WASTE-CONTAINER 523-1

Steel | 50 liters

Specifications

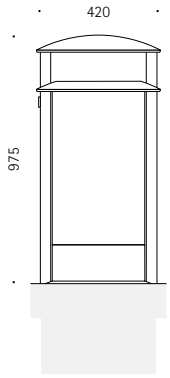
The first part of the stand-alone waste container consists of a frame made of two parallel tubes, connected by a lower and an upper rim as well as a cover, the second part consists of a cylindrical steel container to be hung into the frame. The container can be swung off the frame. The container is attached to the ground from the inside. Contains approx. 50 l.

Mounting

On the ground from the interior of the container base

Finish

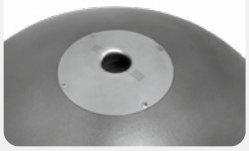
- Powder coating in standard RAL colours or DB 703
- Other colours or multicoloured configurations are available on request at a surcharge
- Incl. internal container or alternatively with spikes to hold bin liners
- Cover including ashtray available as an optional accessory
- May be unlocked for emptying using a triangular key



		For Screwing
Waste-Container 523-1	S235 steel, powder-coated	**523.002**
Waste-Container 523-1	Ashtray, stainless steel 1.4301	**500.001**

ST

Optional:
including ashtray



Design: hammer.runge.design and Heiko Zetzsche

WASTE-CONTAINER 523-2

Steel | 50 liters

Specifications

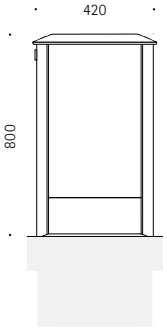
The first part of the free-standing litter garbage can consists of a frame made of two parallel tubes connected by a lower and an upper edge, the second part consists of a cylindrical steel container that is suspended in the frame. The container can be swung away from the frame. The container is attached to the floor from the inside. Contains approx. 50 l.

Mounting

On the ground from the interior of the container base

Finish

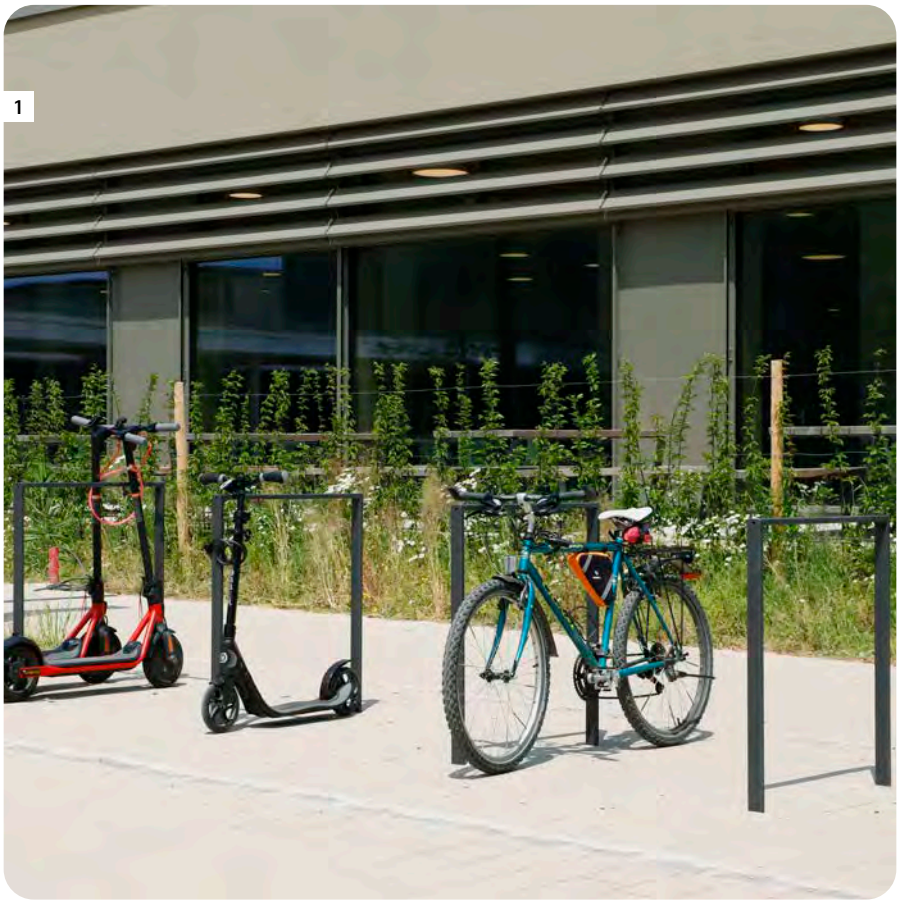
- Powder coating in standard RAL colours or DB 703
- Other colours or multicoloured configurations are available on request at a surcharge
- Incl. internal container or alternatively with spikes to hold bin liners
- May be unlocked for emptying using a triangular key



		For Screwing
Waste-Container 523-2	S235 steel, powder-coated	**523.102**

ST 2025

RAL colors and detailed information can be found on the back cover fold-out →



1: Bicycle-Stand 453 *Mersch, Luxembourg: Page 140* | **2: Bicycle-Stand 450** *Kayl, Luxembourg: Page 146*
3: Bicycle-Stand 480 *Kayl, Luxembourg: Page 134* | **4: Bicycle-Stand 453** *Schengen, Luxembourg: Page 140*

06

SCOOTER & BICYCLE-STAND

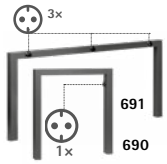
The bicycle stands from ABES combine function with modern design. The stable hoops hold the bicycles securely and protect them effectively against tipping over or bent wheel rims. At the same time, the holders enable secure locking to prevent theft.

The ABES 450-1 bicycle stands has been awarded the renowned „Red Dot Award" by the NRW Design Centre for its outstanding design quality.

Thanks to their aesthetic design, the 450-1 and 450-2 models blend harmoniously into the townscape and make an attractive eye-catcher. The tube construction can optionally be equipped with a curved cover plate. This prevents the bicycles from inadvertently rolling out and ensures that they can be parked securely so that other road users are not endangered.

BICYCLE STANDS

E-MOBILITY



		400	450-1	450-2	451	480				690	691
						Single sided		Double sided		With 1 socket	With 3 sockets
						Low	High	Low	High		
Catalogue page		152	146–149	146–149	147	134–137				156	
NEW 2025		2025									
Available in the online shop as a 3D model and for AR			3D	3D		3D					
Material	Steel S235 (galvanised)	■	■	■	■	■	■	■	■	■	■
	Steel S235 (galvanised with powder coating)	■	■	■	■	■	■	■	■	■	■
	Stainless steel 1.4301 (smoothed, grain 240)	□	■	■	■	■	■	■	■	■	■
Mounting	For concrete embedding (Installation depth: -300 mm)	■	■	■	■	■	■	■	■	■	■
	Removable with ground shell(s)	■	■	■	■	-	-	-	-	□	□
	For screwing (with flanges)	■	-	-	-	■	■	■	■	■	■
	Row system on trapezoidal rails (modular)	●	●	-	-	●	●	●	●	-	-
	Prepared for Schuko sockets	-	-	-	-	-	-	-	-	●	●
Options	Individual color (RAL/DB)	○	○	○	○	○	○	○	○	○	○
	Cover plate	○	○	○	○	-	-	-	-	-	-
	Option: knee rail	-	-	-	-	-	-	-	-	●	●
	Customised dimensions	○	-	-	-	-	-	-	-	○	○
Measurements	Height above ground level (mm)	420	845	845	855	815	1065	815	1065	900	800
	Length (in mm)	820	695	1240	340	720	720	720	720	850	1500
	Width/diameter (in mm)	50	224	224	290	188	188	256	256	60	60
	Height wheel support (mm)	-	-	-	-	67	317	67	317	-	-
	Weight (approx. in kg)	10	8	10	8	6	6	6	6	-	-
	Design	cm	hrd	hrd	hrd	cm				cm	cm

BICYCLE STANDS

		453	453 LED	471	472	474	470	476	477	478	479
		Rectangular steel profile		Flat steel				Steel tube round/U-shaped			
Catalogue page		140–141		142	143	143	144	145		150	151
NEW 2025										2025	2025
Available in the online shop as a 3D model and for AR		3D			3D	3D					
Material	Steel S235 (galvanised)	■	■	■	■	■	■	■	■	■	■
	Steel S235 (galvanised with powder coating)	■	■	■	■	■	■	■	■	■	■
	Stainless steel 1.4301 (smoothed, grain 240)	■	■	■	■	■	■	■	■	□	□
Mounting	For concrete embedding (Installation depth: -300 mm)	■	■	■	■	■	■	■	■	■	■
	Removable with ground shell(s)	■	■	■	■	■	■	■	■	■	■
	For screwing (with flanges)	■	■	■	■	■	■	■	■	■	■
	Row system on trapezoidal rails (modular)	●	-	●	-	-	●	●	●	●	-
	With LED strip	-	●	-	-	-	-	-	-	-	-
Options	Individual color (RAL/DB)	○	○	○	○	○	○	○	○	○	○
	Cover plate	-	-	-	-	-	-	-	-	-	-
	Option: knee rail	○	○	●	●	●	●	●	●	●	○
	Customised dimensions	○	○	○	○	○	○	○	○	○	○
Measurements	Height above ground level (mm)	860	860	800	800	900	800	900	900	900	860
	Length (in mm)	820	820	800	850	900	800/900	700	350	900	800
	Width/diameter (in mm)	50	50	60	80	80	48,3	48	48	72	80
	Weight (approx. in kg)	6,5	6,5	6,5	7,5	7,5	5,5	7	5,5	8	8
	Design										

■ = Model | □ = On request | ● = Configuration | ○ = Option (with a surcharge) | - = Not available | hrd = hammer.runge.design | jpg = J. P. Gillen | cm = Christoph Marzi

Bicycle stands recommended by the ADFC

Finding the right model among a large selection of bicycle stands is mostly not easy. In order to define a common standard for bicycle parking facilities, the "Allgemeine Deutsche Fahrrad-Club" (ADFC) has summarized certain criteria in a certification.

Even though our bicycle stands have proven themselves in all imaginable situations over the past 25 years, from this year we are offering bicycle parking racks that have received a recommendation including a test number after a certification process by the ADFC.

On the topic of cycling, the ADFC is considered as an institution in Germany. As an interests group, it is committed to the consistent promotion of bicycles in road traffic. Furthermore, the association supports manufacturers in the development of serviceable products related to bicycles. The ADFC experts have also made recommendations for bicycle parkers which are all met by our ADFC recommended bicycle stands: they are easy to use and are suitable for a wide range of bike models. They also offer the option of securing bikes on both the front and the rear wheel. Furthermore, the ADFC certified bicycle stands are protected against vandalism, offer extra space between the individual bikes and are no hazardous obstacle for pedestrians. Last but not least, their design prevents the handlebar of the bike to turn, even with strong cross winds, and provides a stable and secure stand even in poor conditions.

See for yourself the advantages of our ADFC recommended bicycle stands – you will find the entire range on the following pages.

SINGLE-SIDED WHEEL POSITION

BICYCLE-STAND 480

BOROFIX

Steel + Stainless steel

Fahrradparker 480
Q2103, 04/2021
Geprüft nach DIN 79008
adfc Qualität

Specifications

SINGLE RACK

Bicycle stand with single-sided bike support made of triple bent steel tube with a tube diameter of 42 mm. Lateral steel bar construction to store one bicycle with the front wheel at a 90° angle. Inward eyelet for attaching a bicycle lock.

RACK ROW SYSTEM

Bicycle-Stand 480 as rack row system with single-sided bike support, consisting of two, three or four bicycles-stands 480 with single-sided bike support with low/low or alternating low/high bike support heights that are screwed on trapeziodal rails. Each bicycle stand is made of a triple bent steel tube with a tube diameter of 42 mm and has a lateral steel bar construction to store one bicycle with the front wheel at a 90° angle. Inward eyelet for attaching a bicycle lock.

Using row connectors, several rack row systems of 2, 3 or 4 racks can be joined together to form a continuous system of any length.

Mounting

Single rack: For concrete embedment or removable with BOROFIX (page 154/155)

Rack row system: For screwing onto trapezoidal rails at +/- 0 mm.

Finish

- Stainless steel 1.4301 smoothed, grain 240
  Optional: electropolished/high-gloss
- Steel S235, galvanised with powder coating in standard RAL colours or DB 703
- Other colors, different rack spacings or bike support angles are possible on demand.

Features

- Suitable for all bicycles with a tire width up to 60 mm.
- Rack spacing according to the recommendation of the ADFC: with low/low bike support heights 700 mm, with low/high bike support heights 500 mm
- ADFC recommended quality according to DIN79008, Quality Label Test Number Q2103, 04/2021

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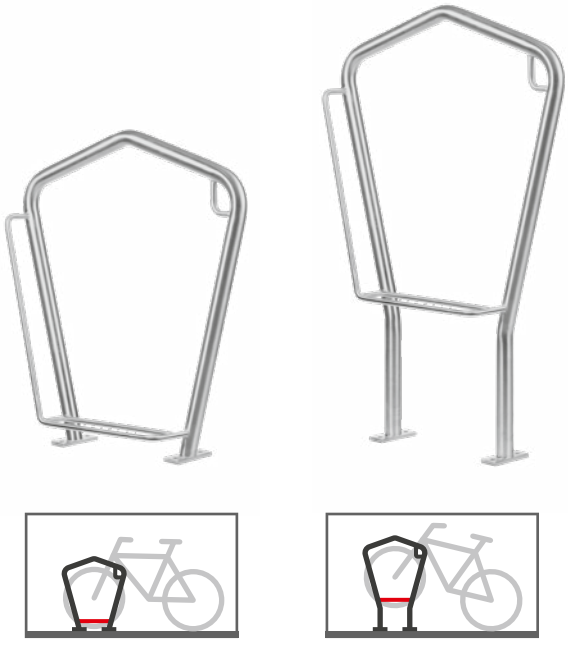
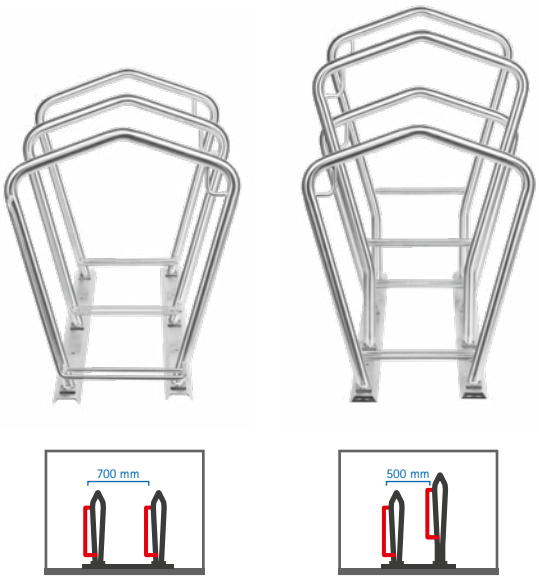
SINGLE RACK



RACK ROW SYSTEM

on trapezoidal rails



For available accessories and special designs, refer to pages 174–176 →

DOUBLE-SIDED WHEEL POSITION

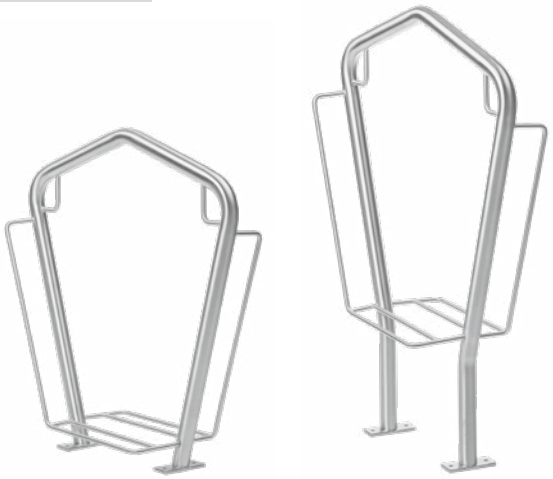
BICYCLE-STAND 480

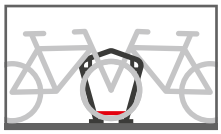
BOROFIX

Steel + Stainless steel

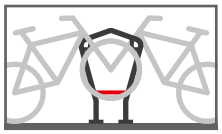
Fahrradparker 480
Q2103, 04/2021
Geprüft nach DIN 79008
adfc Qualität

DOUBLE SIDED





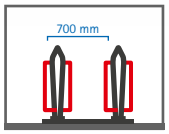
low



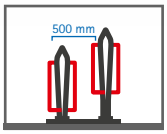
high

RACK ROW SYSTEM

on trapezoidal rails



low/low



low/high

Specifications

DOUBLE SIDED

Bicycle stand with double-sided bike support made of triple bent steel tube with a tube diameter of 42 mm. Two lateral steel bar constructions to store two bicycles with their front wheels at a 90° angle opposite to each other. Inward eyelets for attaching bicycle locks.

RACK ROW SYSTEM

Bicycle-Stand 480 as rack row system with double-sided bike support, consisting of two, three or four Bicycles-Stands 480 with double-sided bike support with low/low or alternating low/high bike support heights that are screwed on trapeziodal rails. Each bicycle stand is made of a triple bent steel tube with a tube diameter of 42 mm and has two lateral steel bar construction to store two bicycles with their front wheels at a 90° angle opposite to each other. Inward eyelets for attaching bicycle locks.

Using row connectors, several rack row systems of 2, 3 or 4 racks can be joined together to form a continuous system of any length.

Mounting

Double sided: For concrete embedment, for screwing on or removable with BOROFIX (page 154/155)

Rack row system: For screwing onto trapezoidal rails at +/- 0 mm.

Finish

- Stainless steel 1.4301 smoothed, grain 240
  Optional: electropolished/high-gloss
- Steel S235, galvanised with powder coating in standard RAL colours or DB 703
- Other colors, different rack spacings or bike support angles are possible on demand.

Features

- Suitable for all bicycles with a tire width up to 60 mm.
- Rack spacing according to the recommendation of the ADFC: with low/low bike support heights 700 mm, with low/high bike support heights 500 mm
- ADFC recommended quality according to DIN79008, Quality Label Test Number Q2103, 04/2021

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RAL colors and detailed information can be found on the back cover fold-out →

Fahrradparker 480
Q2103, 04/2021
Geprüft nach DIN 79008
Empfohlen adfc Qualität

BICYCLE-STAND 480

Steel + Stainless steel

◄
Suitable for all bicycles with a tire width up to 60 mm.

►
Inward eyelet for attaching a bicycle lock.

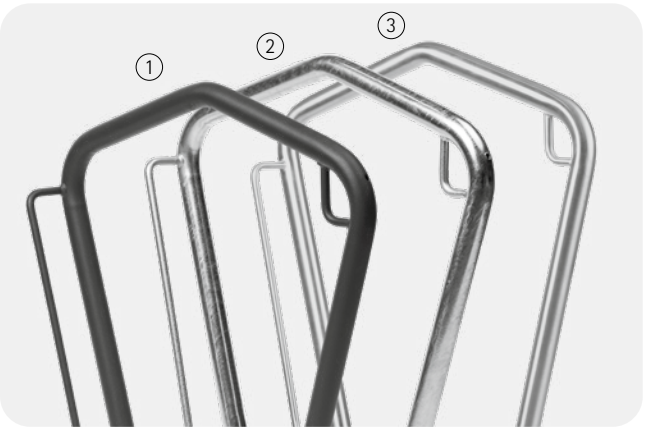
◄
Rack row system on trapezoidal rails with single-sided bike support.

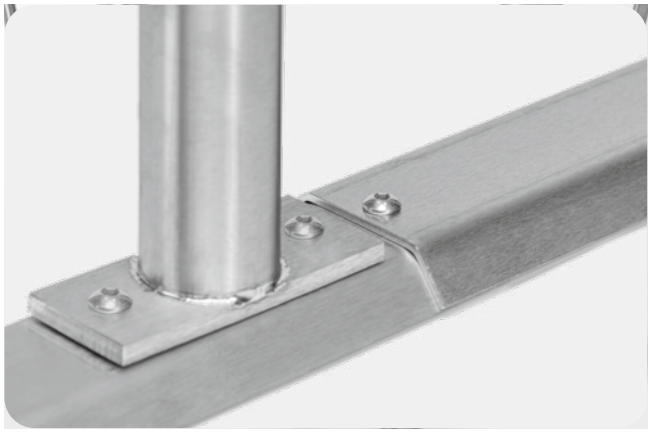
►
Finishing examples:

① Steel S235, galvanised with powder coating in DB 703

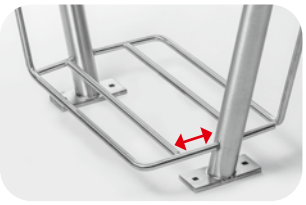
② Steel S235, galvanised

③ Stainless steel 1.4301 smoothed, grain 240





▼ ►
No contact of painted bike parts with the stable main stand due to inclined wheel position.



▲
Double or triple row system, can be combined as needed with row connectors.

◄
Wheel position low/high for space-saving parking: ADFC-recommended wheel base 500 mm (in case of low/low: 700 mm).

►
Storage depth for wheel position on both sides approx. 3000 mm.

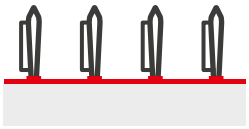
For available accessories and special designs, refer to pages 174–176 ➔

CONFIGURATION ASSISTANT for bicycle stands recommended by the ADFC

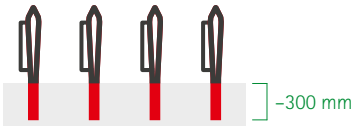
Six simple steps to the desired configuration.

STEP 1: FASTENING

FOR SCREW FIXING
Single racks in a row – mounted on trapezoidal rails[1]

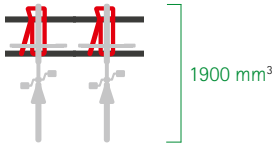


FOR CONCRETE EMBEDMENT
Single rack

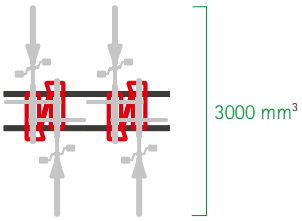


STEP 2: SINGLE OR DOUBLE SIDED BIKE SUPPORT

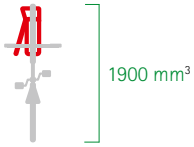
SINGLE SIDED
One bike support per rack



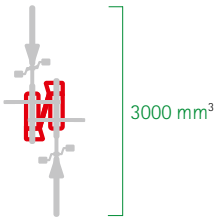
DOUBLE SIDED
Two bike supports per rack



SINGLE SIDED
One bike support per rack

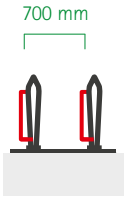


DOUBLE SIDED
Two bike supports per rack

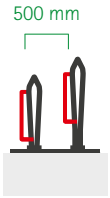


STEP 3: BIKE SUPPORT HEIGHT

LOW/LOW
Rack spacing recommended by the ADFC:

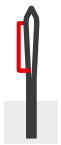


LOW/HIGH
Rack spacing recommended by the ADFC:



LOW
Free arrangement[2]

HIGH
Free arrangement[2]



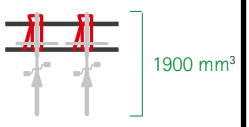
STEP 4: BIKE SUPPORT ANGLE

Available only for single sided and low/low configuration

45° LEFT
ergonomically recommended

45° RIGHT

90°



FREE CHOICE OF ANGLE FOR SINGLE RACK
Determined by the client

STEP 5: CHOICE OF MATERIAL

ST **STEEL S235, GALVANISED**

ST **STEEL S235, GALVANISED AND POWDER-COATED**

AISI **STAINLESS STEEL 1.4301**

STEP 6: NUMBER OF RACKS

Single side option: One bike support per rack
Double side option: Two bike supports per rack

[1] *Extended version for underground bolting on request* [2] *ADFC recommended rack spacing: 700 mm or 500 mm* [3] *Storage depth for common bikes with a total length of approx. 1900 mm*

MODULAR. INNOVATIVE. FLEXIBLE.

Racks in a row: Bicycle stands on trapezoidal rails for dowelling

For nearly all ABES bicycle racks and stands, we are now offering the bike stand option as racks in a row on trapezoidal rails.

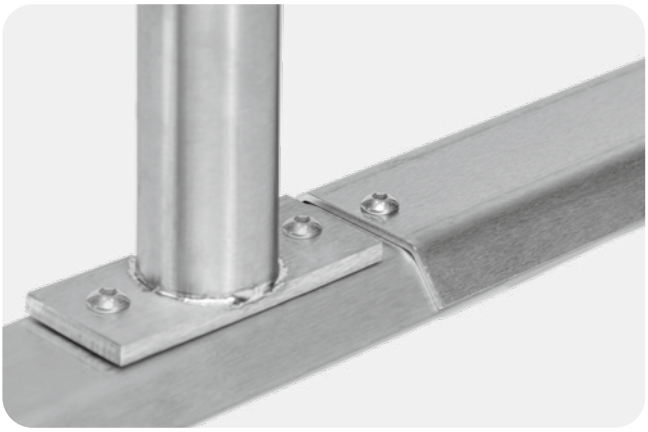
There is a choice of row systems with 2, 3 or 4 stands. All other system sizes can be configured by linking them together using the series connectors developed for this purpose

Use the online configurator in our online shop to put the required system together.

All the single stands marked with this symbol can be supplied as a row system on trapezoidal rails.

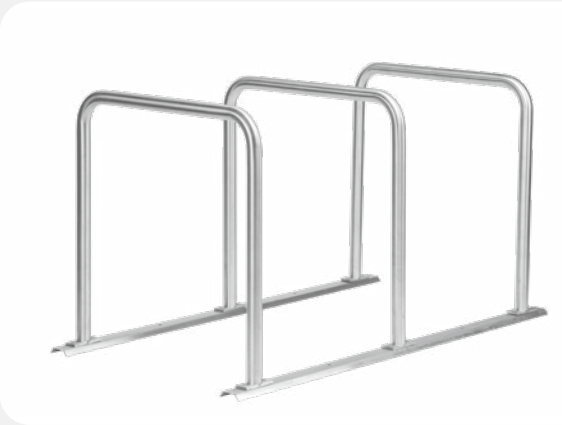
*Exceptions: 400, 453 LED, 450-2, 451, 472, 474, 476, 477, 479, 690, 691

Trapezoidal rail

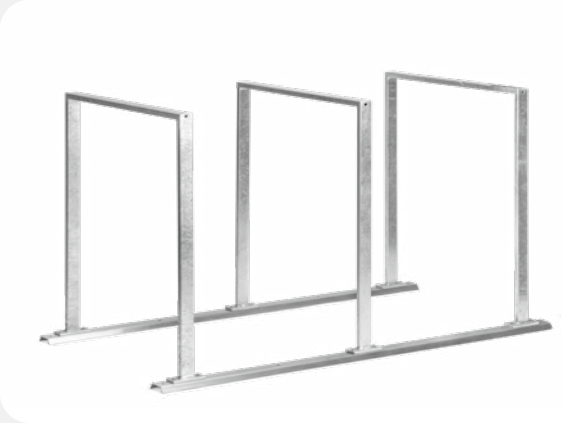


Double or triple row system, can be combined as needed with row connectors.

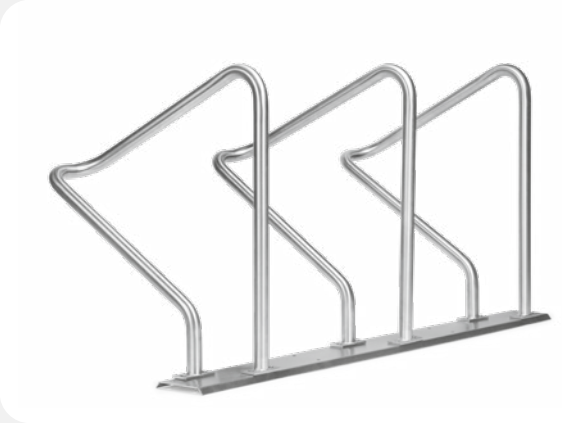
Bicycle-Stand 480 *(see page 134-137)*



Bicycle-Stand 452/470*(see page 144)*



Bicycle-Stand 453 *(see page 140)*



Bicycle-Stand 450-1 Trapezoidal rail flatter due to design *(see page 149)*

Page 144

Bicycle-Stand 452 | Triple rack row system

Page 149

Bicycle-Stand 450-1 | Triple rack row system

Page 140

Bicycle-Stand 453 | Connection of double and triple rack row system

Bicycle-Stand 480 | 3 racks in a row | Double-sided | Low/high

Page 135

BICYCLE-STAND 453 BOROFIX

Steel + Stainless steel

Specifications

U-rack made of perpendicular steel profiles (rectangular profile 50 × 20 mm mitre-cut), optionally with knee rail.

For mounting see page 141

BICYCLE-STAND 453 LED BOROFIX

Steel + Stainless steel

Specifications

Bike rail made of right-angled steel profiles with LED strip on the underside of the cross tube (50 × 20 mm rectangular profile, mitre-cut). Operated with 24 V low voltage, 2 m connector cable with plug socket at the base of the rail. IP Code IP67, optionally with knee rail.

Technical information

LED strip (approx. 25 × 655 mm) on the underside of the cross tube

Power supply:	24 Volt DC
Power input:	ca. 6,7 W
Luminous flux:	approx. 560 lm
Beam angle:	120°
Light colour:	2700 K, 3000 K or 4000 K (2400 K, 5000 K, 6000 K available without surcharge)
Light output:	CRI > 90
IP Code IP67:	IP67
Connector cable:	approx. 2 m

Note

- Including power cable, consisting of a bollard-sided cable with a plug (IP67, 50 cm) and a ground-sided cable with a socket (IP67, 150 cm).
- Technical components for power supply and control are not included. The connection has to be made by the customer.

The LED unit is available as a spare part and be replaced in case of damage.

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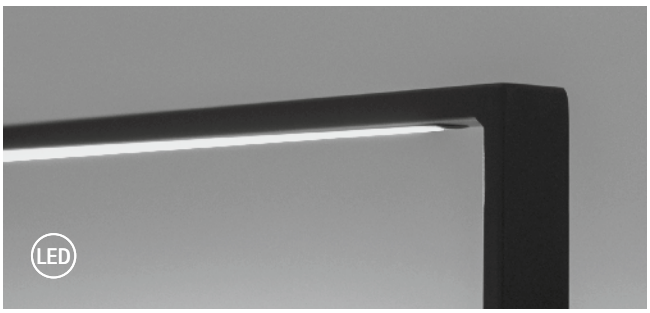
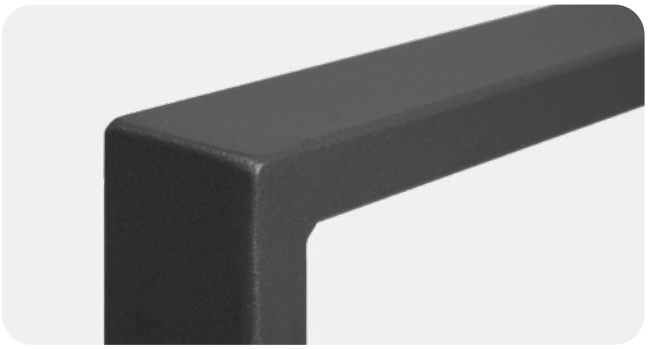
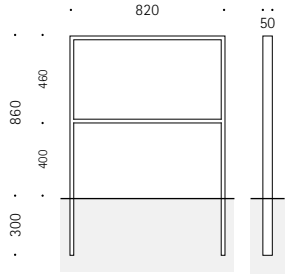
ST AISI LED

For available accessories and special designs, refer to pages 174–176 →



Usable side by side
as a handrail or railing
(see page 165) ▼





Mounting

- removable with BOROFIX (page 154/155)
- concrete embedment
- version with two flanges to enable screwing
- **Can also be supplied as a row system on trapezoidal rails (without LED)** *(see page 138)*

Finish

- Stainless steel 1.4301 smoothed, grain 240
  Optional: electropolished/high-gloss
- Steel S235, galvanised with powder coating in standard RAL colours or DB 703
- Other colours available on request at a surcharge
- Profile dimensions, heights and widths other than specified are available on request and at an additional cost
- Optionally with knee rail

		Concrete embedding/Removable*	With flanges to enable screwing
453	Steel S235, galvanised	**453.001**	**453.240**
453	Steel S235, powder-coated	**453.011**	**453.040**
453	Stainless steel 1.4301	**453.002**	**453.140**

		Concrete embedding	Removable*	With flanges to enable screwing
453 LED	Steel S235, galvanised	**453.101**	**453.201**	**453.540**
453 LED	Steel S235, powder-coated	**453.111**	**453.211**	**453.340**
453 LED	Stainless steel 1.4301	**453.102**	**453.202**	**453.440**

Accessories for the removable version BOROFIX*		
Pair of ground shell with clamping cover rosette for 453 + 453 LED	Steel, galvanised	**458.002 + 458.005**
Pair of ground shell with clamping cover rosette for 453 + 453 LED	Steel, powder-coated	**458.002 + 458.007**
Pair of ground shell with clamping cover rosette for 453 + 453 LED	Stainless steel	**458.002 + 458.006**
Cover plates for ground shells		**458.003**

*For the removable version, two ground shells and clamping cover rosettes are mandatory.

ST AISI LED

RAL colors and detailed information can be found on the back cover fold-out →

BICYCLE-STAND 471 BOROFIX

Steel + Stainless steel

Specifications

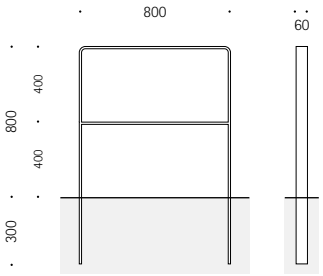
Bike rail with rounded edges made of 60 × 12 mm flat steel, optionally with or without knee rail. (optional: 60 × 10 mm)

Mounting

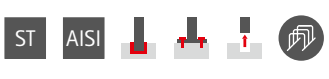
- removable with BOROFIX (page 154/155)
- concrete embedment
- version with two flanges to enable screwing
- **Also available as a row system on trapezoidal rails** *(see page 138)*

Finish

- Stainless steel 1.4301 smoothed, grain 240 Optional: electropolished/high-gloss
- Steel S235, galvanised with powder coating in standard RAL colours or DB 703
- Other colours available on request at a surcharge
- Additional material thicknesses, heights and widths available upon request and at a surcharge
- Optionally with or without knee rail



		Concrete embedding	With flanges to enable screwing
Bicycle-Stand 471 without knee rail	Steel S235, galvanised	**471.001**	**471.040**
Bicycle-Stand 471 without knee rail	Steel S235, powder-coated	**471.101**	**471.140**
Bicycle-Stand 471 without knee rail	Stainless steel 1.4301	**471.201**	**471.240**
Bicycle-Stand 471 with knee rail	Steel S235, galvanised	**471.301**	**471.340**
Bicycle-Stand 471 with knee rail	Steel S235, powder-coated	**471.401**	**471.440**
Bicycle-Stand 471 with knee rail	Stainless steel 1.4301	**471.501**	**471.540**



For available accessories and special designs, refer to pages 174–176 →

BICYCLE-STAND 472 BOROFIX

Steel + Stainless steel

Specifications

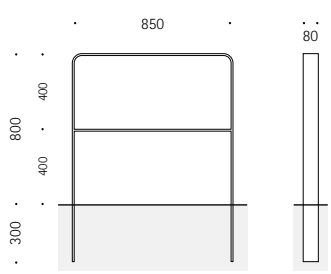
Rack with knee rail and rounded edges made of 80 × 12 mm bent flat steel. (optional: 80 × 12 mm)

Mounting

- removable with BOROFIX (page 154/155)
- concrete embedment
- version with two flanges to enable screwing

Finish

- Stainless steel 1.4301 smoothed, grain 240
  Optional: electropolished/high-gloss
- Steel S235, galvanised with powder coating in standard RAL colours or DB 703
- Other colours available on request at a surcharge
- Additional material thicknesses, heights and widths available upon request and at a surcharge
- Optionally without knee rail



ST AISI

BICYCLE-STAND 474 BOROFIX

Steel + Stainless steel

Specifications

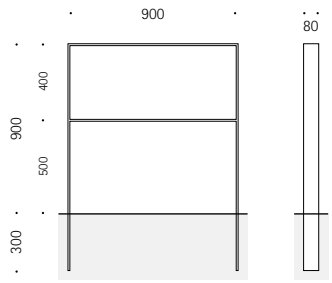
Rack with knee rail made of flat steel 80 × 12 mm with mitred edges and welded (90°). (optional: 80 × 12 mm)

Mounting

- removable with BOROFIX (page 154/155)
- concrete embedment
- version with two flanges to enable screwing
- **Also available as a row system on trapezoidal rail** *(see page 138)*

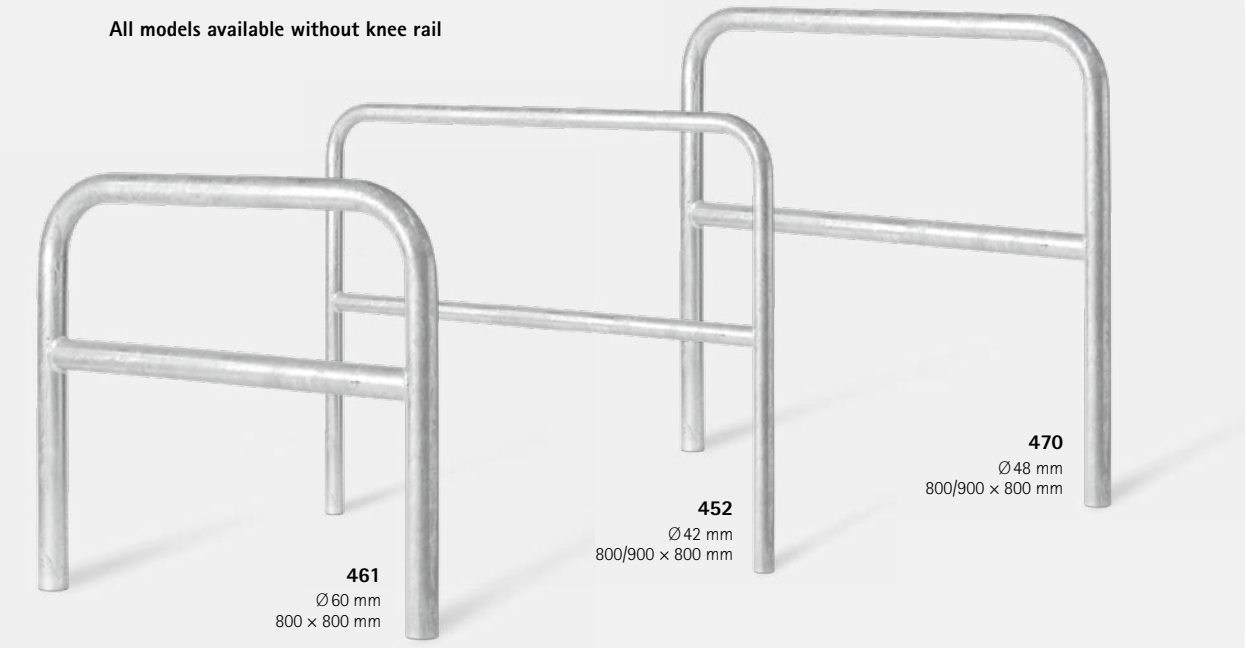
Finish

- Stainless steel 1.4301 smoothed, grain 240
  Optional: electropolished/high-gloss
- Steel S235, galvanised with powder coating in standard RAL colours or DB 703
- Other colours available on request at a surcharge
- Additional material thicknesses, heights and widths available upon request and at a surcharge
- Optionally without knee rail



ST AISI

All models available without knee rail



BICYCLE-STAND MADE OF ROUND TUBING (n-shaped)

Steel + Stainless steel

Specifications

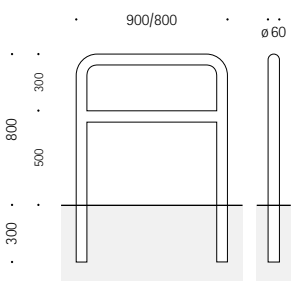
Bike rails made of an n-shaped bent steel tube in different diameters, optionally with or without knee rail.

Mounting

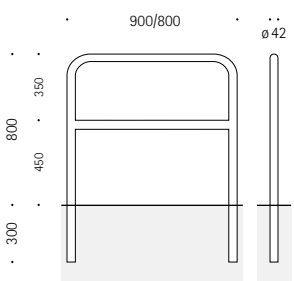
- removable with BOROFIX (page 154/155)
- concrete embedment
- version with two flanges to enable screwing
- 461: removable with ground shell 600.201
- **Also available as a row system on trapezoidal rails** *(see page 138)*

Finish

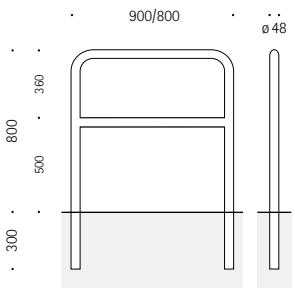
- Stainless steel 1.4301 smoothed, grain 240
  Optional: electropolished/high-gloss
- Steel S235, galvanised with powder coating in standard RAL colours or DB 703
- Other colours available on request at a surcharge
- Tube dimensions, heights and widths other than specified are available on request and at an additional cost
- Optionally with or without knee rail



461



452 BOROFIX



470 BOROFIX

ST AISI

461 452 470

For available accessories and special designs, refer to pages 174–176 →

476
Ø 48 mm
700 × 900 mm

477
Ø 48 mm
350 × 900 mm

BICYCLE-STAND MADE OF ROUND TUBING (U-shaped)

Steel + Stainless steel

Specifications

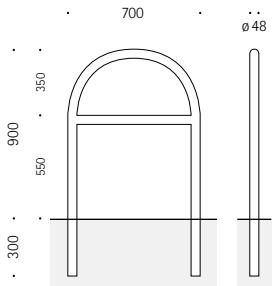
U-racks made of steel tube with a tube diameter of 48 mm, optionally with or without knee rail.

Mounting

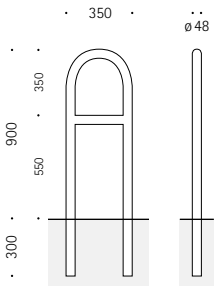
- removable with BOROFIX (page 154/155)
- concrete embedment
- version with two flanges to enable screwing
- **Also available as a row system on trapezoidal rails** *(see page 138)*

Finish

- Stainless steel 1.4301 smoothed, grain 240
  Optional: electropolished/high-gloss
- Steel S235, galvanised with powder coating in standard RAL colours or DB 703
- Other colours available on request at a surcharge
- Tube dimensions, heights and widths other than specified are available on request and at an additional cost
- Optionally with or without knee rail



476 BOROFIX



477 BOROFIX

ST AISI

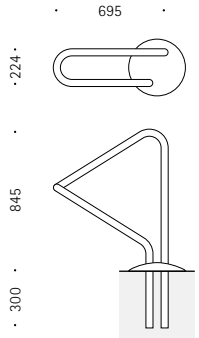
RAL colors and detailed information can be found on the back cover fold-out →

BICYCLE-STAND 450-1

Steel + Stainless steel

Specifications

Frame made of bent steel tubes with a 42.4 × 2.5 mm diameter, a vertical rear tube, and mutually offset tube ends.



		Bicycle stand	Cover plate (optional)
450-1	Steel S235, galvanised	**450.001**	**455.001**
450-1	Steel S235, powder-coated	**450.011**	**455.011**
450-1	Stainless steel 1.4301	**450.002**	**455.002**

Ground shell for removable model: **456.002**

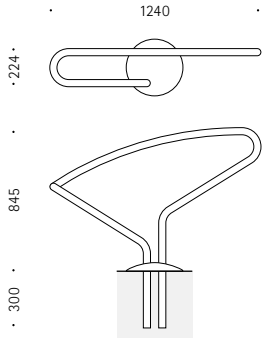
ST AISI

BICYCLE-STAND 450-2

Steel + Stainless steel

Specifications

Frame made of bent steel tubes with a 42.4 × 2.5 mm diameter, an overhanging rear tube, as well as mutually offset tube ends.



		Bicycle stand	Cover plate (optional)
450-2	Steel S235, galvanised	**450.003**	**455.001**
450-2	Steel S235, powder-coated	**450.013**	**455.011**
450-2	Stainless steel 1.4301	**450.004**	**455.002**

Ground shell for removable model: **456.002**

ST AISI

For available accessories and special designs, refer to pages 174–176 →

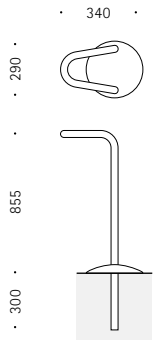
Design: hammer.runge.design

BICYCLE-STAND 451

Steel + Stainless steel

Specifications

Frame made of bent steel tubes with a 42.4 × 2.5 mm diameter and parallel tube ends.



		Bicycle stand	Cover plate (optional)
451	Steel S235, galvanised	**451.003**	**455.003**
451	Steel S235, powder-coated	**451.013**	**455.013**
451	Stainless steel 1.4301	**451.004**	**455.004**

Ground shell for removable model: **456.003**

ST AISI

Mounting

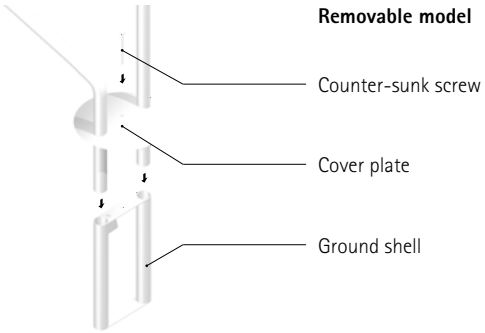
- Concrete embedment (only one foundation required)
- Alternative: removable with ground shell
- Optional (only 450-1): Also available as a row system on trapezoidal rail (see page 138)

Finish

- Stainless steel 1.4301 smoothed, grain 240
  Optional: electropolished/high-gloss
- Steel S235, galvanised with powder coating in standard RAL colours or DB 703
- Other colours available on request at a surcharge

Note

For the removable version, the cover plate is needed.

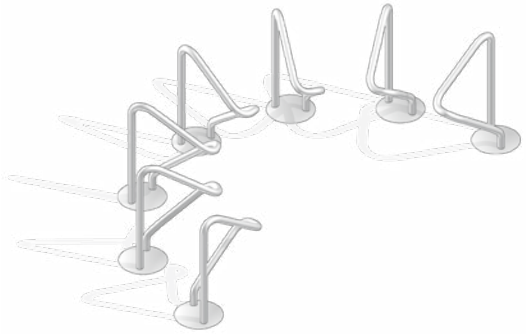


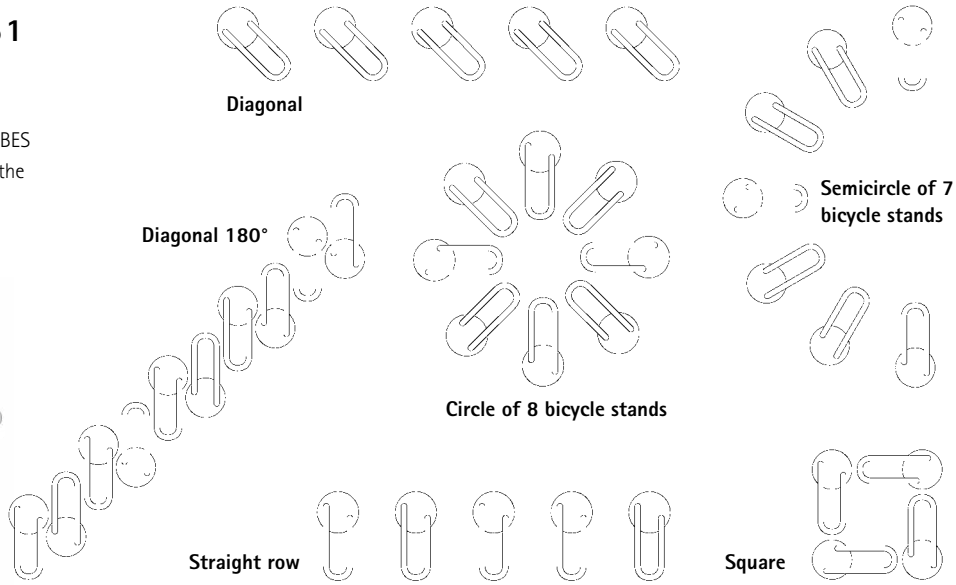
RAL colors and detailed information can be found on the back cover fold-out →

BICYCLE-STAND 450 | 451

Sample configurations

These examples for designing parking areas with the ABES Bicycle-Stand 450 or 451 may serve as inspiration for the variety of configuration options.

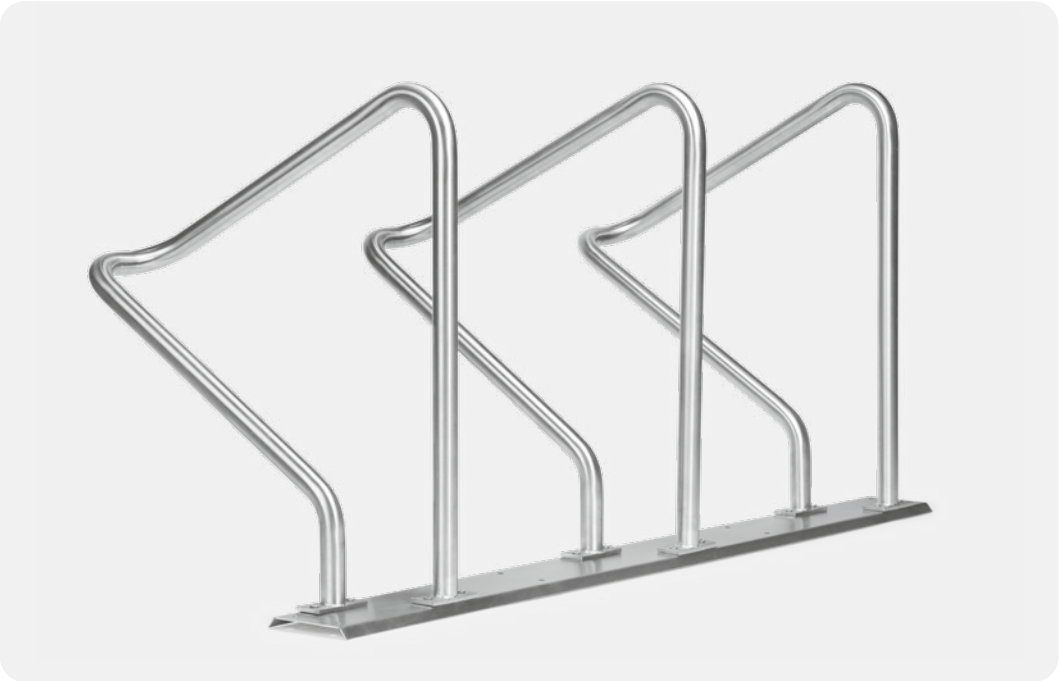




1 Bicycle-Stand 450-1 row configuration
Powder-coated, DB703 glimmer grey

2 Bicycle-Stand 450-1
Powder-coated, DB703 glimmer grey

3 Bicycle-Stand 450-2
Powder-coated, DB703 glimmer grey



Note

The division into segments of 2 or 3 racks and the row connector allow the installation of any number of racks to create a row parking facility.

BICYCLE-STAND 450-1 row configuration on trapezoidal rail

Steel + Stainless steel | 2-unit or 3-unit row system, can be combined as desired using row connectors

Specifications

Two or three side-by-side hoops made of bent steel tube with a tube diameter of 42.4 × 2.5 mm, a vertical rear tube and with staggered tube ends with welded on flange. Each stand is screwed onto the trapezoidal rail at an angle of 90° (on request 45°), which can be connected at both ends to form a row.

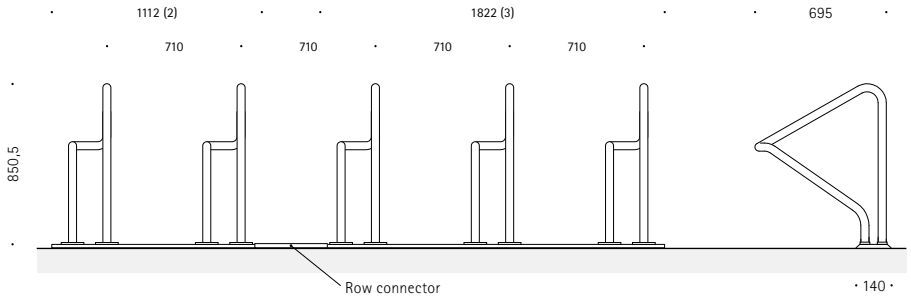
Mounting

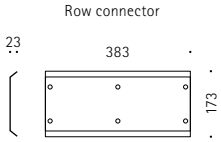
- **Row system on trapezoidal rail** *(see page 138)*

Finish

- Stainless steel 1.4301 smoothed, grain 240
  Optional: electropolished/high-gloss
- Steel S235, galvanised with powder coating in standard RAL colours or DB 703
- Other colours available on request at a surcharge

Installation example: combination of 2 and 3 rack row system

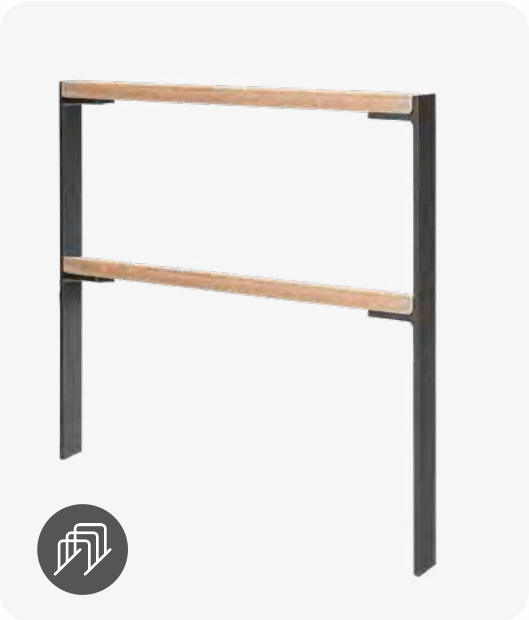




		Double rack	Triple rack	Row connector
450-1 Row configuration	Steel S235, galvanised	**450.201**	**450.301**	**450.901**
450-1 Row configuration	Steel S235, powder-coated	**450.211**	**450.311**	**450.903**
450-1 Row configuration	Stainless steel 1.4301	**450.202**	**450.302**	**450.902**

ST AISI

RAL colors and detailed information can be found on the back cover fold-out →



BICYCLE-STAND 478 BOROFIX

Steel + wood (protection for the bike)

Specifications

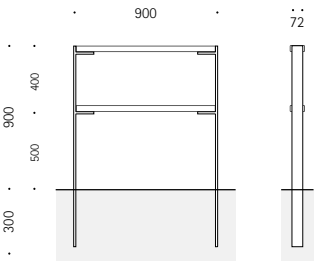
ABES 478 bicycle stand, 60 x 12 mm consisting of two vertical flat steel bars and a horizontal wooden lath that connects the two bars at the upper end.

Fastening

- removable with BOROFIX (page 154/155)
- concrete embedment
- version with two flanges to enable screwing
- also as a row system on trapezoidal rail

Construction

- S235 steel, hot-dip galvanised with powder coating in standard RAL colours or DB 703
- Wooden rail made of robinia (72 x 35 mm)
- With crossbar for leaning scooters or children's bicycles against on request: stainless steel 1.4301 and sanded to grain or electropolished
- Other material thicknesses, colours, heights and widths are available on request and at extra cost



		For concrete embedding	With flanges to enable screwing
Bicycle-Stand 478 without knee rail	Steel S235, galvanised	**478.001**	**478.040**
Bicycle-Stand 478 without knee rail	Steel S235, powder-coated	**478.101**	**478.140**
Bicycle-Stand 478 without knee rail	Stainless steel 1.4301	**on request**	**on request**
Bicycle-Stand 478 with knee rail	Steel S235, galvanised	**478.001.q**	**478.040.q**
Bicycle-Stand 478 with knee rail	Steel S235, powder-coated	**478.101.q**	**478.140.q**
Bicycle-Stand 478 with knee rail	Stainless steel 1.4301	**on request**	**on request**

ST AISI 2025

For available accessories and special designs, refer to pages 174–176 →

BICYCLE-STAND 479 BOROFIX

Steel + plastic (protection for the bike

Specifications

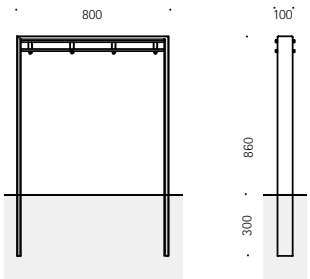
Bicycle-stand made of rectangular, mitred and welded steel profiles 80x 20mm, including two-sided leaning protection for bicycle frames made of HDPE (black plastic profile).

Fastening

· removable with BOROFIX (page 154/155)
· For screwing on with two flanges
· For embedding in concrete

Construction

· Steel S235, galvanised
· Optional with powder coating in standard RAL colours or DB 703.
· Other colours are available on request and at extra cost



		For concrete embedding	With flanges to enable screwing
Bicycle-Stand 479	Steel S235, galvanised	**479.001**	**479.040**
Bicycle-Stand 479	Steel S235, powder-coated	**479.004**	**479.140**
Bicycle-Stand 479	Stainless steel 1.4301	**on request**	**on request**

ST AISI 2025

RAL colors and detailed information can be found on the back cover fold-out →

SCOOTER PARKER 400

BOROFIX

Steel

Specifications

U-shaped folded flat steel with an additionally welded-in, horizontal flat steel girder to which five cantilevered, circular and movable gripper arms are attached next to one another. The gripper arms, which can be locked by means of standard locks through overlapping openings, serve as holders for both classic scooters and e-scooters up to a max. handlebar diameter of 75 mm.

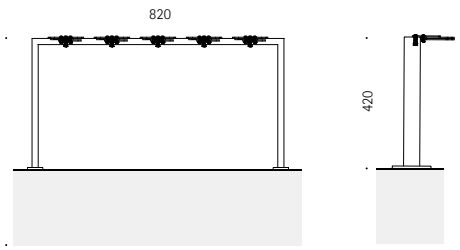
Can be combined with ABES Bicycle-Stand 453, 471, 472 and 474

Fastening

- removable with BOROFIX ((page 154/155)
- concrete embedment
- version with two flanges to enable screwing

Construction

- Steel S235, galvanised with powder coating in standard RAL colours or DB 703
- With crossbar for leaning scooters or children's bicycles against on request: stainless steel 1.4301 and sanded to grain or electropolished
- Other material thicknesses, colours, heights and widths are available on request and at extra cost



the number of parkers		For concrete embedding	With flanges to enable screwing
Scooterparker 400-453-10	Steel S235, powder-coated	**400.010.10**	**400.040.10**
Scooterparker 400-453-05	Steel S235, powder-coated	**400.010.05**	**400.040.05**

ST AISI 2025

For available accessories and special designs, refer to pages 174-176 →

COAT GUARD FOR BICYCLE RACK

Ø 42 & 48 MM

Plastic

Specifications

Protects the leaning bracket/bicycle rack and the bicycle from scratches and damages of the surface.

Fastening

· For adhering yourself

· can be combined with ABES Bicycle-Stand

Ø 42: 450-1/2, 452, 476, 477, 480

Ø 48: 470

Construction

· 9005/jet black

Note:

· also suitable for retrofitting

For more information, please scan the QR code or visit www.abes-online.com.

		For adhering yourself
Paint protector	for pipe Ø 42 mm	**401.010**
Paint protector	for pipe Ø 48 mm	**401.020**

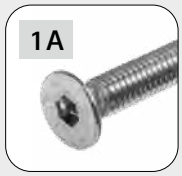
2025

RAL colors and detailed information can be found on the back cover fold-out →

BOROFIX: 2025

PATENTED FASTENING SYSTEM FOR ABES BICYCLE-STAND*

1



2

BASIC COMPONENTS OF THE BOROFIX FASTENING SYSTEM:

GROUND SLEEVE INCLUDING CLAMPING WEDGE (Fig. 1):

A flexible and at the same time stable fixation of the bicycle stand is ensured by concreting the ground sleeve flush with the ground.

In combination with the screw and clamping rosette, the clamping wedge pre-installed in the ground sleeve produces the clamping effect by tightening.

Standard: hex socket head screw. (Fig. 1a) Alternatively: maximum protection against theft with ABES screw with drop-shaped drive (Fig. 1b: protected by utility model 20 2017 104 290.)

CLAMPING ROSETTE (Fig. 2):

Is inserted into the ground sleeve together with the leaning hoop. Forms a force-fit connection in conjunction with the clamping rosette. The bike-stand does not wobble and has no play.

EXAMPLES OF COMPATIBLE LEANING BRACKETS (Fig. 4):

3

OPTIONALLY AVAILABLE:

GROUND SHELL COVER (Fig. 3):

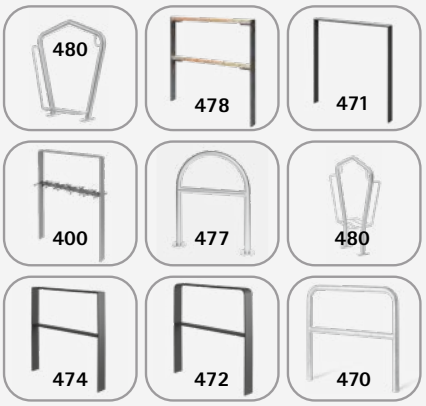
It covers the ground sleeve flush with the ground after removal of the bicycle stand. See clamping rosette for fastening.

DECORATIVE ROSETTE (Fig. 5):

Use of a decorative rosette to cover the clamping rosette. Can also be retrofitted.

5

4



*BOROFIX ground sleeve with clamping wedge and clamping rosette: protected by European patent: EP 3 608 484 B1

PRINCIPLE:

- BOROFIX is a fastening system in which a force-fit connection is achieved through the interaction of the bicycle-stand, clamping rosette and ground sleeve with a clamping wedge.
- Clamping take place by firmly fixing the bicycle-stand, clamping rosette and ground sleeve to one another by tightening the clamping screw.
- Result: The bicycle-stand sits in the ground sleeve without play and can be removed quickly at any time.
- **BOROFIX: INNOVATIVE AND SECURE**

Insertion of the bicycle-stand in the ground sleeve...

... with clamping rosette

Clamping sleeve cover (bicycle-stand removed)

removable bicycle-stand

OPTIONAL: Decorative rosette for ...

...a particularly aesthetic appearance

CHARGING STANDS made of rectangular steel profile

Steel + Stainless steel

Can also be supplied as a bicycle stand without sockets

Specifications

CHARGING-STAND 690 with one socket

Stand made of rectangular steel profile (60 × 60 mm), mitred and welded, with a Type F socket (each 230 V, 16 A, IP54) fitted on the inside of the post for connecting an e-bike.

CHARGING-STAND 691 with three sockets

Stand made of rectangular steel profile (60 × 60 mm), mitred and welded, with three Type F sockets (each 230 V, 16 A, IP54) fitted on the cross tube for connecting e.g. e-bikes.

Finish

- Stainless steel 1.4301 smoothed, grain 240
  Optional: electropolished/high-gloss
- Steel S235, galvanised with powder coating in standard RAL colours or DB 703
- Other colours available on request at a surcharge
- Profile dimensions, heights and widths other than specified are available on request and at an additional cost
- Optionally with knee rail

Mounting

- Concrete embedment, For concrete embedding
- Alternative: version with two flanges to enable screwing
- Option: removable with ground shells

Technical information

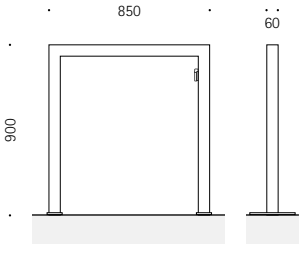
Power supply:	230 Volt DC
Power rating:	16 A
IP Code:	IP54

Notes

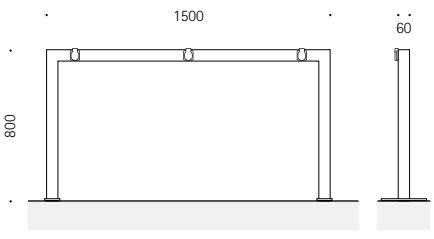
- Electrical configurations on demand at an additional cost.
- Other technical components, such as a residual-current circuit-breaker (FI), controls or cables, are not included in the scope of delivery.
- The fuse protection and connection must be carried out on site by a specialist firm.

Can be used for example as a charging station for e-bikes.

Type F (Schuko) mains sockets incl. fixing material included in delivery.



690



691

ST AISI

For available accessories and special designs, refer to pages 174–176 →

Type F sockets included in delivery are fitted on site into the openings provided.

CHARGING-BOLLARD 665 with three sockets

Steel | 900 mm

Specifications

Rectangular steel bollards with a flat locking top part, prepared for fitting three Type F sockets (each 230 V, 16 A, IP54) for connecting e-bikes, for example.

Mounting

With flange to enable screwing

For concrete embedding

Finish

· Steel S235, galvanised with powder coating in standard RAL colours or DB 703

· Height can be adjusted on customer request

Technical information

with regard to a Type F (Schuko) socket

Power supply:	230 Volt DC
Power rating:	16 A
IP Code:	IP54

Notes

· Electrical configurations on demand at an additional cost.

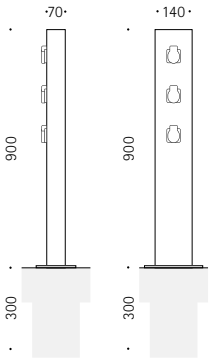
· Other technical components, such as a residual-current circuit-breaker (FI), controls or cables, are not included in the scope of delivery.

· The fuse protection and connection must be carried out on site by a specialist firm.

Identical with Bollard 065, *see p. 65* and Lighting-Bollard 265 LED, *on p. 77*

Can be used for example as a charging station for e-bikes.

Type F (Schuko) mains sockets incl. fixing material included in delivery.



		For screwing
Charging-Bollard 665	galvanized	**665.040**
Charging-Bollard 665	alvanized and powder-coated	**665.041**

ST

RAL colors and detailed information can be found on the back cover fold-out →

1: ABES heart 940 *Geesthacht, Germany: Page 161* | **2: Planter 710** *Diekirch, Luxembourg: Page 162*
3: Planter 662 *Esch, Luxembourg: Page 164* | **4: Planter 710** *Gütersloh, Germany: Page 162*

08

PARKLANDS & CITY

Green spaces perform important functions in the public area: They contribute to a pleasant micro-climate, serve as places of recreation and rest for people and make every townscape prettier.

Love heart: As an alternative to bridge railings, our love heart can be used by couples who want to express their feelings for each other by attaching padlocks

Bicycle-Stand

Attractive and safe routing in the city center.

Planters

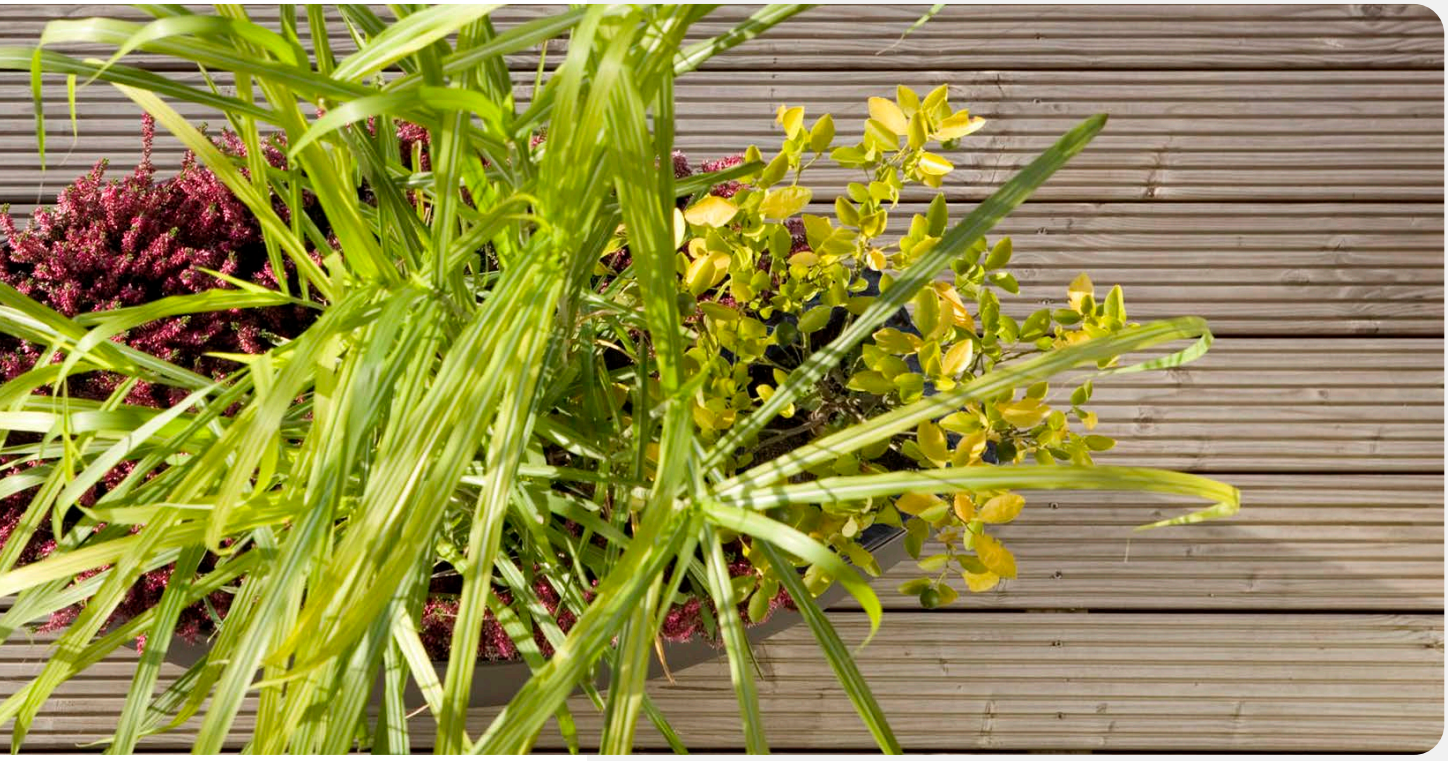
Shrubs, small trees and other plants in the city.

Tree-Guard

For the protection of trees or plantings.

ABES „Heart"

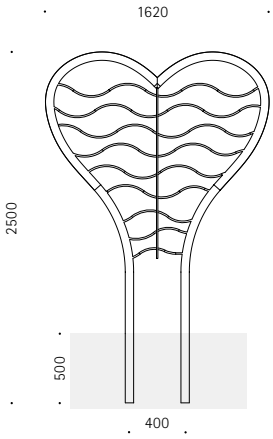
Signs of love with hanging locks.



		710 S	710 M	710 L	710 XL	720	721	722	730
		Planter	Planter	Planter	Planter	Planter	Planter	Planter	Planter
	Catalogue page	**162**	**162**	**162**	**162**	**163**	**163**	**163**	**165**
	NEW 2025								
Material	Aluminium (with powder coating)	-	-	-	-	720.004	721.004	-	-
Material	Steel S235 (galvanised)	-	-	-	-	-	-	-	-
Material	Steel S235 (galvanised with powder coating)	-	-	-	-	-	-	-	-
Material	Steel S235 (with epoxide- and powder coating)	-	-	-	-	☐	☐	722.001	730.001
Material	Stainless steel 1.4301 (with powder coating)	710.002	711.002	712.002	713.002	-	-	-	-
Mounting	For concrete embedding	-		-	-	-	-	-	-
Mounting	Removable with ground shell(s)	-	-	-	-	-	-	-	-
Mounting	With flanges to enable screwing	-	-	-	-	-	-	-	-
Mounting	Free standing	■	■	■	■	■	■	■	■
Options	Individual color (RAL/DB)	○	○	○	○	○	○	○	○
Options	Customised laser cuttings	○	○	○	○	○	○	○	○
Options	Individual dimensions	-	-	-	-	-	-	-	-
Measurements	Length (in mm)	1200	1500	1800	2000	700	1000	600	-
Measurements	Width (in mm)	691	650	750	801	700	700	600	Ø 700
Measurements	Height inside (in mm)	390	390	490	490	700	700	550	675 (700)
Measurements	Total height with feet (in mm)	500	500	600	600	780	780	600	780
Measurements	Capacity (approx. in liters)	210	250	430	450	343	490	198	260
Measurements	Weight (approx. in kg)	65	68	85	87	35	45	28	31
	Design	Doris Herrmann							

		662	453 (LED)	940
		Tree Guard	Bicycle stand as handrail/railing	Abes Heart
	Catalogue page	**164**	**165**	**161**
	NEW 2025			2025
Material	Aluminium (with powder coating)	-	-	-
Material	Steel S235 (galvanised)	662.001	■	■
Material	Steel S235 (galvanised with powder coating)	662.011	■	■
Material	Steel S235 (with epoxide- and powder coating)	-	-	-
Material	Stainless steel 1.4301 (with powder coating)	662.002	■	-
Mounting	For concrete embedding	■	■	■
Mounting	Removable with ground shell(s)	■	■	■
Mounting	With flanges to enable screwing	☐	■	-
Mounting	Free standing	-	-	-
	Mit LED-Lichtleiste auf Kundenwunsch	-	○	-
	Mit Knieholm auf Kundenwunsch	-	○	-
Options	Individual color (RAL/DB)	○	○	○
Options	Customised laser cuttings	-	-	-
Options	Individual dimensions	○	○	-
Measurements	Länge (mm)	1200	820 je Bügel	2500
Measurements	Breite (mm)	1200	50	1620
Measurements	Höhe (mm)	Variabel	860	2000
Measurements	Fassungsvermögen (ca. in Liter)	-	-	-
Measurements	Gewicht (ca. in kg)	15	6,5 / je Bügel	45
	Design	J. P. Gillen		

■ = Model | ☐ = On request | ● = Configuration | ○ = Option (with a surcharge) | - = Not available



ABES „HEART" 940

Steel

Specifications

ABES Heart 940 is a heart-shaped bent and welded steel construction with welded-in wave-shaped round bars intended for hanging „love locks". Fastening either for setting in concrete or removal from a ground sleeve incl. clamping device.

Mounting

concrete embedment or removing from a ground sleeve.

Finish

· Steel S235, galvanised

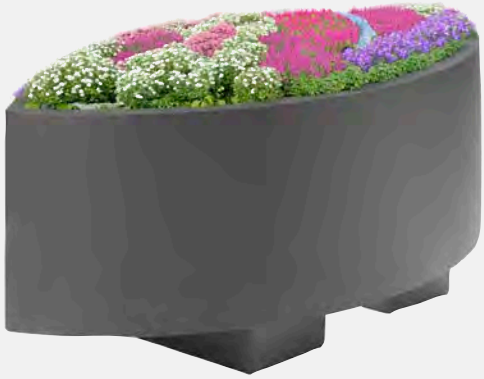
· Optional Aluminium with powder coating in standard RAL colours or DB 703

· Other colours available on request at a surcharge

	For concrete embedding	For removing
Steel S235, galvanised	**940.001**	**940.001 with ground shell 940.002**
Steel S235, powder-coated	**940.101**	**940.101 with ground shell 940.002**

ST 2025

RAL colors and detailed information can be found on the back cover fold-out →



710 L | *1800 × 750 mm*

Design : Doris Herrmann

PLANTER 710

Stainless steel

Specifications

Plant pot with curved sides that taper at both ends. The base has water drainage holes. The container stands on rectangular tubes which serve as supports for hoisting equipment.
The apertures of the tubes can be covered with removable caps.

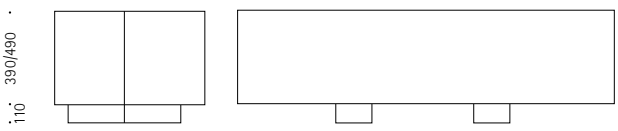
Mounting

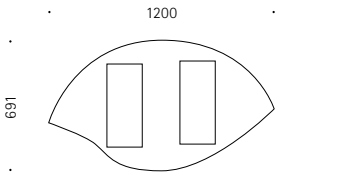
Free standing element

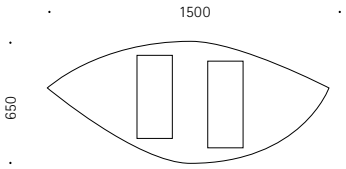
Finish

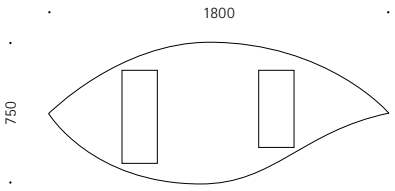
· Stainless steel 1.4301 with powder coating in standard RAL colours or DB 703

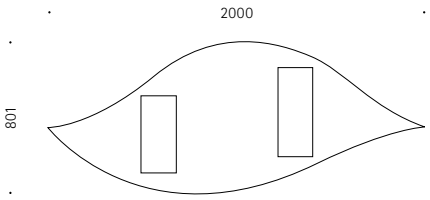
· Other colours available on request at a surcharge









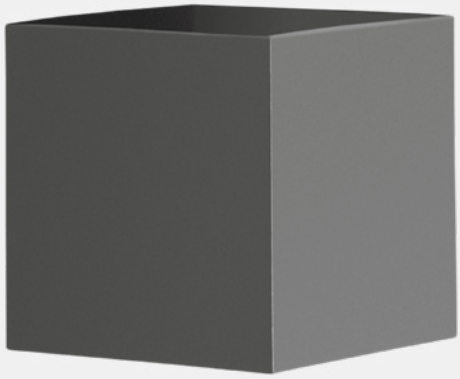


Customised laser cuts available

			Stainless steel 1.4301, powder-coated
Planter 710	S	1200 × 691 mm	**710.002**
Planter 710	M	1500 × 650 mm	**711.002**
Planter 710	L	1800 × 750 mm	**712.002**
Planter 710	XL	2000 × 801 mm	**713.002**

AISI

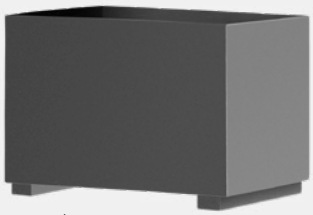
For available accessories and special designs, refer to pages 174–176 →



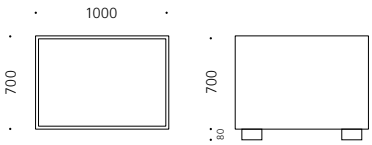
720 | *700 × 700 mm*

PLANTER 720 | 721 | 722

720 | *Aluminium* | *700 × 700 mm*
721 | *Aluminium* | *700 × 1000 mm*
722 | *Steel* | *600 × 600 mm*



721 | *700 × 1000 mm*



Specifications

Plant pot with square or oblong basic shape and vertical side walls.
The base has water drainage holes. The container stands on four individual feet made of square tubes.

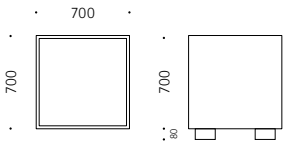
Mounting

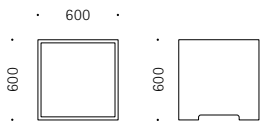
Free standing element

Finish

- Aluminium with powder coating in standard RAL colours or DB 703
- Steel with epoxide- and powder coating in standard RAL colours or DB 703
- Containers are also available without legs and with welded frames for chain suspension upon request

722 | *600 × 600 mm*





Customised laser cuts available

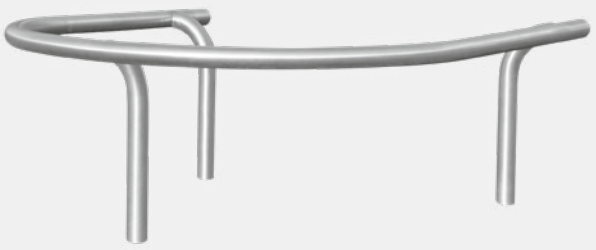
		powder-coated
Planter 720	700 mm × 700 mm	**720.004**
Planter 721	700 mm × 1000 mm	**721.004**
Planter 722	600 mm × 600 mm	**722.004**

AL ST

720 721 722

RAL colors and detailed information can be found on the back cover fold-out →

Other tube dimensions, heights and widths are possible on request.



Design: J. P. Gillen | Registered design

TREE-GUARD 662

Steel + Stainless steel

Specifications

A bent, U-shaped steel frame with a diameter of 48.3 × 2.6 mm.
Three foundations are required.

Optional: a ground shell for the removable model

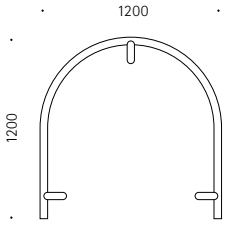
Mounting

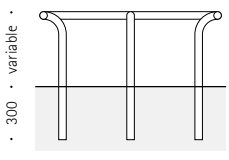
Concrete embedment or inserted into a standard ground shell (not available with 3p-Technology)

Optional: with flanges to enable screwing

Finish

- Stainless steel 1.4301 smoothed, grain 240
  Optional: electropolished/high-gloss
- Steel S235, galvanised with powder coating in standard RAL colours or DB 703
- Other colours available on request at a surcharge





	Concrete embedding
S235 steel, galvanised	**662.001**
S235 steel, powder-coated	**662.011**
Stainless steel 1.4301	**662.002**
Ground shell for removable model	**600.200**

ST AISI

For available accessories and special designs, refer to pages 174–176 →

BICYCLE-STAND 453
as handrail or railing

Steel + Stainless steel

Specifications

U-rack made of perpendicular steel profiles (rectangular profile 50 × 20 mm mitre-cut). Other profile dimensions, heights and widths are available upon request at a surcharge.

Finish

- Stainless steel 1.4301 smoothed, grain 240
  Optional: electropolished/high-gloss
- Steel S235, galvanised with powder coating in standard RAL colours or DB 703
- Optionally with LED

ST AISI LED

For more informations see: BICYCLE-STAND 453 (LED) *page 140*

PLANTER 730

Steel

Specifications

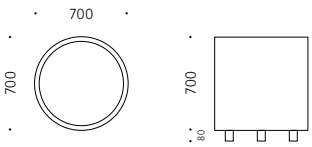
Plant pot with round basic shape and vertical side walls. The base has water drainage holes. The container stands on three individual feet made of square tubes.

Mounting

Free standing element

Finish

- Steel with epoxide- and powder coating in standard RAL colours or DB 703
- Containers are also available without legs and with welded frames for chain suspension upon request



Customised laser cuts available

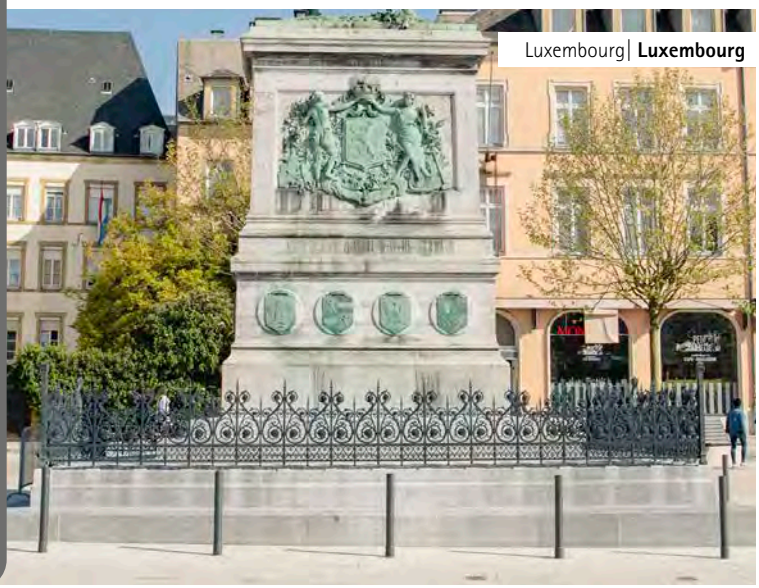
		Steel, powder-coated
Planter 730	Ø 700 mm	**730.001**

ST

PROJECTS AND

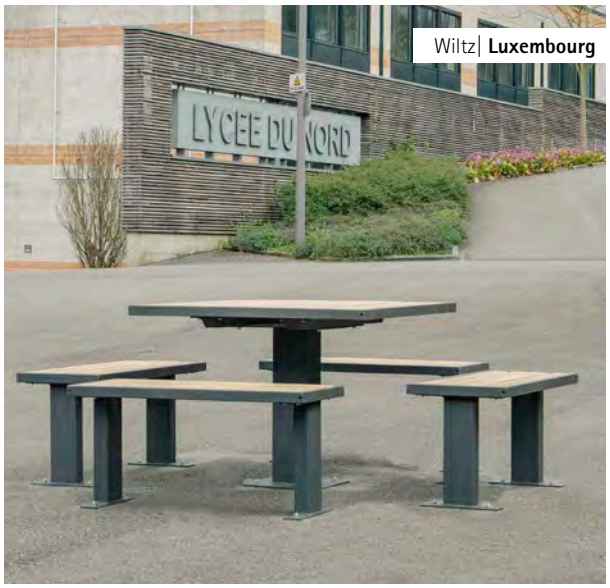
A SELECTION

Hamburg | **Germany**


Luxembourg| **Luxembourg**

Wasserbillig | **Luxembourg**

Findel | **Luxembourg**



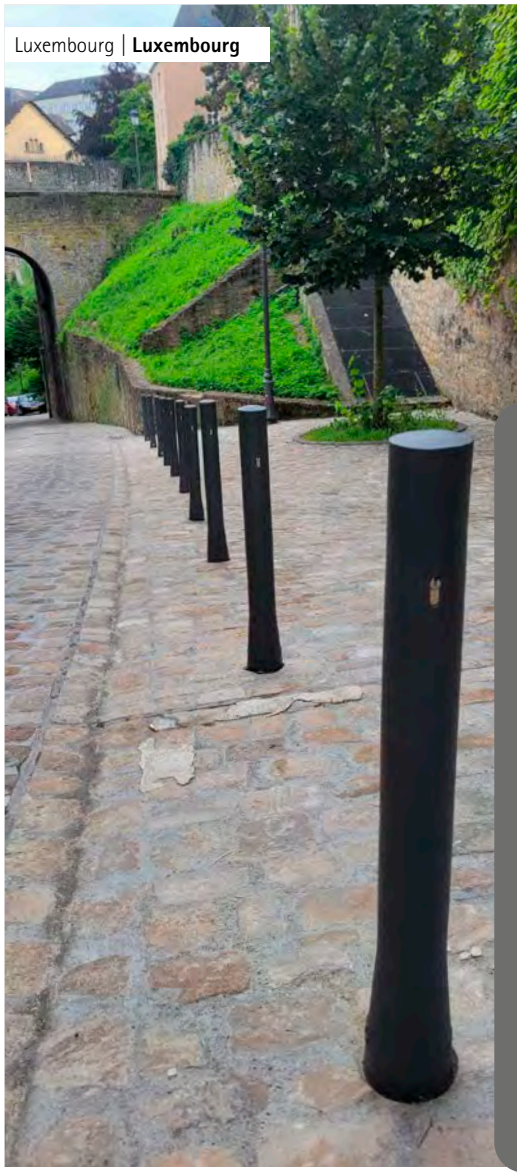
Wiltz| **Luxembourg**

Steinfort| **Luxembourg**

REFERENCES

Luxembourg| **Luxembourg**

Ehnen| **Luxembourg**



Luxembourg | **Luxembourg**

Saarbrücken | **Germany**

Kamener Cross| **Germany**

Sandweiler | **Luxembourg**

Schengen| **Luxembourg**

Rain am Lech | **Germany**

Perth | **Australia**

Schengen| **Luxembourg**

Medernach| **Luxembourg**

Cologne| **Germany**

Flaxweiler| **Luxembourg**

Hamburg| **Germany**

Cannes | **France**

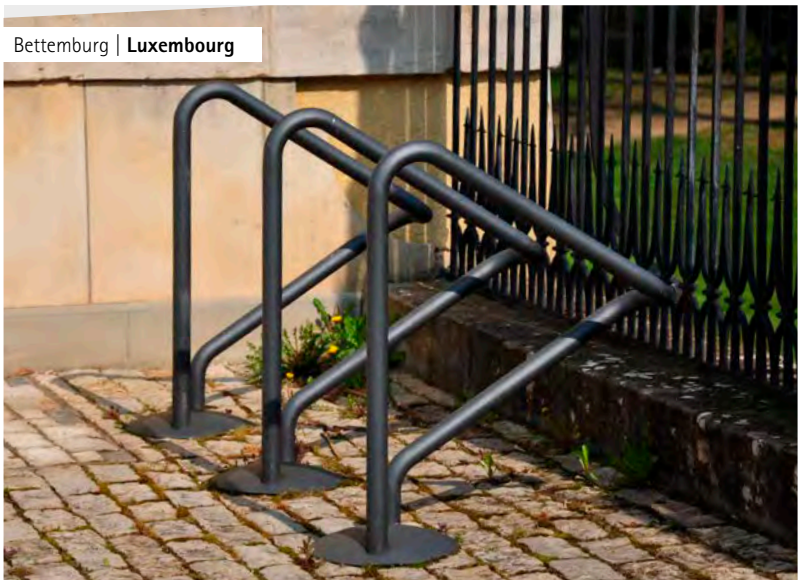
Kleinwalsertal | **Austria**

Ask for references in your area!

Pictures of projects:
https://abes-online.com/en/projects/

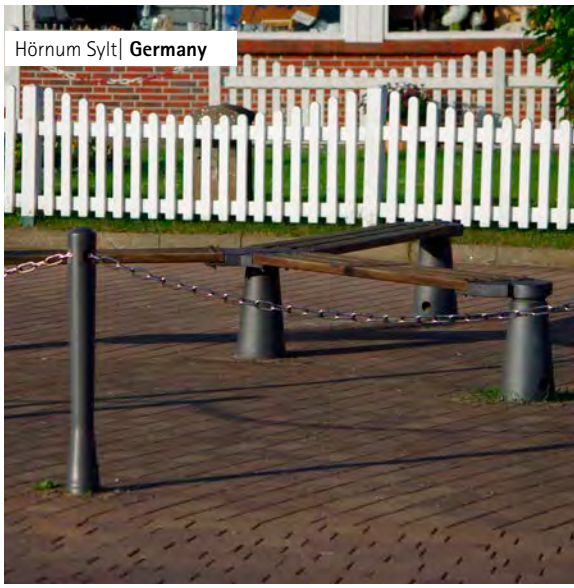
Hosingen | **Luxembourg**

Kayl | **Luxembourg**


Bettemburg | **Luxembourg**

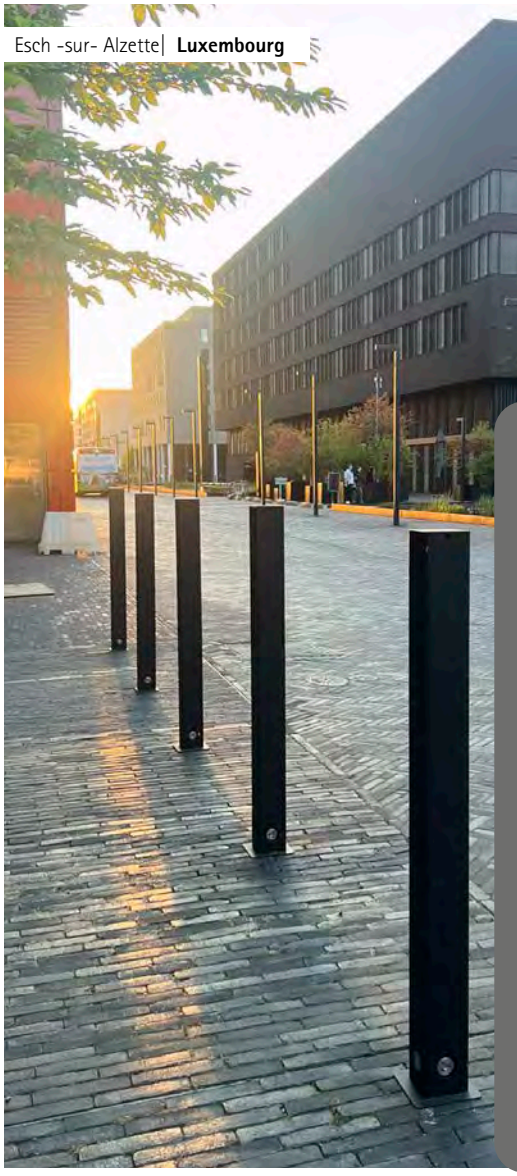
Kirchberg | **Luxembourg**

Luxembourg | **Luxembourg**


Hörnum Sylt | **Germany**

Pfaffenhofen | **Germany**

Trier | **Germany**



Esch -sur- Alzette| **Luxembourg**

Bollendorf | **Germany**

Achern | Germany

Ask for references in your area!

Pictures of projects:
https://abes-online.com/en/projects/

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3P-TECHNOLOGY

3p Technologie

Ground shells *(cast iron, galvanised)*

Ground shell 300 mm*
(standard for 3p-Technology)
000.001

Ground shell 500 mm *
for additional stability with unstabilised subsoil, cobblestone pavement etc.
000.003

Ground shell 100 mm
as special solution in case of small mounting depth, e.g. car parks, bridges etc.
000.007

Junction pieces w. predetermined breaking point *(cast iron, galvanised)*

Junction piece without anti-roll device
(standard for 3p-Technology)
000.008

Junction piece with anti-roll device
After a collision with a vehicle, the metal rod prevents the bollard to roll away.
000.013

Junction piece w. anti-roll device + cable slot
for LED lighting bollards
The metal rod prevents the rolling away of the bollard after a collision with a vehicle
000.017

Junction piece with short anti-roll device
for ground shell 100 mm (000.005)
The metal rod prevents the rolling away of the bollard after a collision with a vehicle
000.018

Junction piece extended version
for 3p-High
Allows to open and close the locking mechanism with long fire brigade triangular keys without offsets
000.016

*Also available with anti-roll device
000.040

Junction piece 3p-Flex (without cable slot)
The bollard returns to its initial position after impact (8-10° tilt), and only breaks if the breaking load is exceeded.
000.015

3p Technologie

Junction pieces w/o predetermined breaking point *(cast iron, galvanised)*

Junction piece w/o predetermined breaking point
Solid protection for people and objects.
Does not break in case of an impact.
000.034

Height-adjustable junction piece
Height can be adjusted with a threaded rod
Compensates for the gap between bollard and ground shell, if it ends below level, e.g. with paving stones of different heights.
000.041

Clamping cone sets *(stainless steel 1.4301)*

Clamping cone set with hex head screw
(standard for 3p-Technology)
N1 + N2 + hexagonal head screw
3p-SPK-N1-N2-6K

Clamping cone set with triangular head screw
N1 + N2 + triangular head screw
3p-SPK-N1-N2-3K

Clamping cone set w. lengthened clamping cone
N5 (75 mm) + N2 + triangular head screw
Additional protection by a padlock in order to prevent unauthorised removal. Possible use with triangular head screw.
3p-SPK-N5-N2-3K

Clamping cone set
with ABES Bolt – Teardrop shaped
Screw with special head, with droplet-shaped hole
Can only be opened with optional special tool so as to prevent it from being opened without authorisation using standard tools
(Utility model protection)
3p-SPK-N1-N2-TR

Screws and clamping cones *(stainless steel 1.4301)*

Hexagonal head screw
spare part, M12, length 80 mm
000.009

Triangular head screw
spare part, M12, length 75 mm
000.019

ABES Bolt – Teardrop shaped
special asseccory, M12, length 75 mm
000.035

Cover caps (pair), for hexagonal head screw
grey or black, *plastic*
000.006

Clamping cone N1*
spare part, without internal thread
N1.000

Clamping cone N2*
spare part, three-slotted and with internal thread
(suitable tool see next page: 000.029/000.026)
N2.001

* Hybrid shell socket for 3p-technology & 3p-Snaplock

3p Technologie

	Clamping cone N4 lengthened, for protection by a padlock	**N4.000**
	Clamping cone N5 lengthened, for protection by a padlock	**N5.000**

Ground shell covers

	Ground shell cover *cast aluminium, powder-coated in DB 703*	**000.002**
	Ground shell cover with ressort *steel S235, galvanised*	**000.050**

Tools

	Nut for for triangular head screws M12, *stainless steel 1.4571*	**000.027**
	Nut for ABES Bolts – Teardrop shaped *stainless steel 1.4571*	**000.037**
	Nut with 3-pin adapter to tighten the clamping cone N2.001 *stainless steel 1.4571*	**000.029**
	Socket wrench for triangular head screws robust design	**000.024**
	Socket wrench for ABES Bolts – Teardrop shaped robust design	**000.036**
	Socket wrench with 3-pin adapter to tighten the clamping cone N2.001 robust design	**000.026**
	Triangular key simple, with short holder, M12 × 75 mm	**000.011**
	Triangular key simple, with long holder, M12 × 160 mm	**000.014**

Ground rosettes *(steel S235, galvanised, powder-coated in bollard paint)*

	Ground rosette for Bollard 032 with 3p-Technology	**000.032**
	Ground rosette for Bollard 066 with 3p-Technology	**000.066**
	Ground rosette for Bollard 014 with 3p-Technology	**000.030**

BOLLARDS

Chains & accessories *(galvanised, powder-coated in bollard paint)*

	Chain 8 x 52 mm sold per meter	**000.100**
	Eylet	**000.200**
	Shackle	**000.300**
	Chainlink for eylet	**000.303**

Special models

	Bollard 001, 5 rings red painted RAL 3020/9016	**000.301**
	Bollard 008 + 010, 1 ring red painted RAL 3020/9016	**000.302**
	1 ring of reflective foil 100 mm wide; red, white or red/white	**000.321**
	2 rings of reflective foil 100 mm wide; red, white or red/white	**000.322**
	3 rings of reflective foil 100 mm wide; red, white or red/white	**000.323**
	Cat's eye reflectors affixed reflectors	**000.326**
	Finished with logo individual production	**000.327**
	1 cutting of reflective foil 100 mm wide; red, white or red/white, self-adhesive, for manual installation	**000.328**
	Reflective foil sold by the meter 50 mm or 100 mm wide; red, white or red/white, self-adhesive, to apply individually	**on demand**
	Powder coating except standard RAL colours free of charge for more than 9 bollards in the same colour	**000.310**

Stainless steel – surface treatments

Smoothed
e. g. grain 240 (standard) — **000.410**

Electropolishing (high-gloss) — **000.420**

Special coatings

Long-lasting phosphorescent coating
Maintains fluorescent properties permanently — **on demand**

GENERAL

BOROFIX (mounting system for leaning brackets, park benches,etc.)

Ground sockets (pair) 453
(required for removable version)
also available for bike parkers 452, 470, 471, 472, 474, 476, 477, 478, 480 and park bench 15 — **458.002**

Clampig rosette (pair) 458
Steel S235, galvanized — **458.005**
Steel S235, galvanized, powder-coated (RAL or DB) — **458.007**
Stainless steel 1.4301, ground to grain — **458.006**
(required for removable version)
for bicycle stands 452, 453, 470, 471, 472, 474, 476, 477, 478, 480 and park bench 153

Ground shell cover (pair)
Steel S235, galvanized
(optional for removable version) — **458.003**
for bicycle stands 452, 453, 470, 471, 472, 474, 476, 477, 478, 480 and park bench 153

Decorative rosette (pair)
Steel S235, galvanized — **458.008**
Steel S235, galvanized, powder-coated(RAL or DB) — **458.009**
Stainless steel 1.4301, ground to grain — **458.010**
(optional for removable version)
for bicycle stands 452, 453, 470, 471, 472, 474, 476, 477, 478, 480, 153 (optional)

Fastening system for leaning bracket 450-1, 450-2 and 451

Ground shell for removable model for Bicycle-Stand 450-1 and 450-2
galvanised — **456.002**

Ground shell for removable model for Bicycle-Stand 450-1 and 450-2
steel S235, galvanised — **455.001**
steel S235, galvanised, powder-coated in RAL or DB — **455.011**
stainless steel 1.4301, smoothed, grain 240 — **455.002**

* also available for round tube with Ø 42 & 48 mm

Ground shell for removable model for Bicycle-Stand 451
galvanised — **456.003**

Cover plate for Bicycle-Stand 451
steel S235, galvanised — **455.003**
steel S235, galvanised, powder-coated in RAL or DB — **455.013**
stainless steel 1.4301, smoothed, grain 240 — **455.004**

Ground sockets for round tubes

Ground shell, ø 48 mm
for standard tube with diameter 48 mm
(e.g. for Tree-Guard 662) — **600.200**

Ground shell, ø 60 mm
for standard tube with diameter 60 mm — **600.201**

Ground shell, ø 76 mm
for standard tube with diameter 76 mm — **600.202**

Key for waste containers can

Triangular key for waste containers
standard — **500.003**

Clean & care products

Ceramic grease aerosol — **on demand**

Assembly paste — **on demand**

Touch-up paint (RAL or DB colour)
correct small defects in the product's coating — **on demand**

Color Fans

RAL K7 CLASSIC colour fan
containing 213 RAL CLASSIC colours — **000.341**

DB Glimmer Grey fan
TL / TP-KOR steel structures
attachment H - colour cards, 14 shades — **000.340**

All presentations and descriptions in the brochure, as well as the product models and properties, including the 3p-Technology, are given for information purposes only.

Due to the unpredictability of daily usage, no guarantee can be given for the described product properties. All products have been carefully developed for a tough everyday use and are built accordingly robust.

We reserve the right to make technical or optical amendments without prior notice at any given time or when we believe this serves the further development and improvement of our products.

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BOROFIX is a registered word mark.

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EXPLANATION OF SYMBOLS & TENDER SPECIFICATIONS

DELIVERABLE MOUNTING VARIANTS

With 3p-Technology 3p Technologie
Removable with 3p-Technology. Comprising a 300 mm ground shell, junction piece with predetermined breaking point (without anti-roll device), one clamping cone with internal thread, one clamping cone without internal thread and a hex head bolt as a standard.
All bollards (except feeder bollards) can be supplied with 3p-Technology.

With 3p-Technology for LED lighting bollards 3p Technologie
Comprising a 300 mm ground shell, junction piece with predetermined breaking point, anti-roll device and cable slot, one clamping cone with internal thread, one clamping cone without internal thread and a hex head bolt as a standard.

With 3p-Technology "3p-High" 3p Technologie
Removable with 3p-Technology.
For the use of long fire brigade triangular keys without offsets.
Is basically possible with all bollards. Extended junction piece required for 3p-High.

With 3p-Snaplock (self-latching) 3p Technologie
Removable with 3p-Snaplock.
Optionally with triangular or cylinder lock.

Fixed mounting

Screw-on *(with flange)* *with socket(s)*

Removable with ground shells *with socket(s)*

Fold down

Free standing *(for benches)*

Available as a row system on trapezoidal rails *(for bicycle stands)*

FINISH

CA **Products made of cast aluminium**
Powder coating in standard RAL colours or DB 703

ST **Products made of steel S235***
Steel S235, galvanised with powder coating in standard RAL colours or DB 703

AISI **Products made from stainless steel 1.4301***
Stainless steel 1.4301 pickled and smoothed, grain 240
Optional: electropolished/high-gloss

Other colours available on request at a surcharge.

Only for bollards: Accessories and special requirements such as different colours, red and white paint, reflective film or powder coating of chains, rings, shackles, etc. in the same colour as the bollard are available on request at a surcharge
(except feeder bollards and Bollard 026)

*For bollards, the height can be adjusted individually *(except feeder bollards)*

The ground rosette is part of the delivery (3p-Technology)
Completely covers the ground shell, material: S235 steel, hot-dip galvanised and powder coated in bollard paint

LED **With LED Light unit**

3D **Available in the online shop as a 3D model and for AR**

For detailed product descriptions, tender texts and installation instructions for download, visit **www.abes-online.com**

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