REINHOLD-STAHL-METALLBAU GmbH

Barrier systems · Metalwork · Gauting

CATALOGUE 2026

Barrier systems and metalwork made in Bavaria

Bollards · Barriers · Parking protection · Street furniture · Metalwork



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ONLINE
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Configurator, tender texts, GAEB

MADE IN
Zugspitzstraße 4
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WELCOME

A family business in its third generation

Since 1983, Reinhold-Stahl-Metallbau GmbH in Gauting has been making barrier systems, street furniture and custom metalwork. It all started with a home-built aircraft.

Since 8 March 1983, we have been developing and manufacturing bollards, barriers, bicycle racks and street furniture under the ASA brand (“Absperrungen, Sicherungen aller Art” – barriers and safety devices of all kinds) in our workshop in Gauting. We also offer metalwork, repairs and custom fabrication for businesses, municipalities, property managers and private customers.

This catalogue shows our range with all order numbers, technical data and finishes. Every product has a web address where you will find photos, the configurator and tender texts as PDF, Word and GAEB D81 to download (website in German).

What makes our products special

1. **Lock in the upper third**
   The lock sits in the upper third of the post. Unlocking is easy while standing, without bending down.
2. **Smooth-running**
   The lock runs smoothly and is therefore particularly easy to use.
3. **To your requirements**
   Because we manufacture ourselves, we can meet individual requirements.
4. **Also fits old sockets**
   For many years, our posts have been compatible with existing ground sockets.
5. **Made in Bavaria**
   Sustainable thanks to regional manufacturing in Bavaria, in our workshop in Gauting.
6. **Clean welds**
   The welds are ground smooth so that every part looks high-quality too.
7. **Galvanised and finished**
   After galvanising, we remove sharp zinc spikes, projections and unevenness, so every part can be handled safely with bare hands.







The whole range online

reinholdsmetall.de – with search, product finder, enquiry list and configurators (in German).
Questions? We are happy to advise you personally: +49 89 850 20 25, Mon–Thu 7:15–16:00, Fri 7:15–12:00.

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A

Bollards

ASA bollards for access roads, fire brigade access routes, car parks and pavements, galvanised, with warning foil or in the colour of your choice.



Bollards ?
Decorative bollards ?
Stainless steel bollards ?
Fire brigade guide posts ?
Impact protection posts ?
Bollard accessories ?

POSTS

Bollards

Round or square, fixed, removable or fold-down.

ASA bollards protect access roads, fire brigade access routes and parking areas. Every order number is available in seven finishes, from hot-dip galvanised to powder-coated.

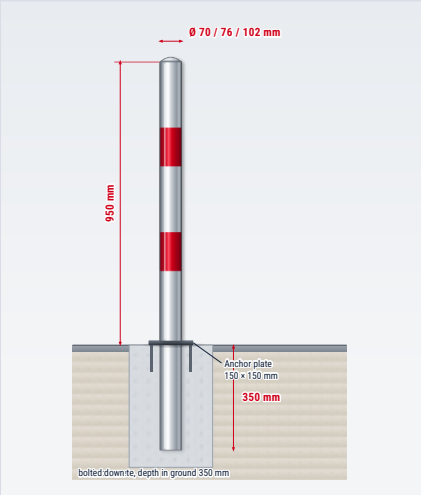
Configure online
Drawing, order number and tender text (PDF, Word, GAEB D81)
reinholdsmetall.de/absperrpfosten

What sets ASA bollards apart

1. **Lock in the upper third** The lock sits in the upper third of the post. Unlocking is easy while standing, without bending down.
2. **Smooth-running** The lock runs smoothly and is therefore particularly easy to use.
3. **To your requirements** Because we manufacture ourselves, we can meet individual requirements.
4. **Also fits old sockets** For many years, our posts have been compatible with existing ground sockets.
5. **Made in Bavaria** Sustainable thanks to regional manufacturing in Bavaria, in our workshop in Gauting.
6. **Clean welds** The welds are ground smooth so that every part looks high-quality too.
7. **Galvanised and finished** After galvanising, we remove sharp zinc spikes, projections and unevenness, so every part can be handled safely with bare hands.

Bollard round, fixed

reinholdsmetall.de/absperrpfosten/rund-ortsfest





For setting in concrete or with base plate for bolting down.

The fixed round post permanently marks off paths, parking areas and property boundaries. It is set in concrete or bolted down with a base plate and cannot be opened.

Profile	Steel tube Ø 70 / 76 / 102 mm
Cap	welded, slightly domed, with rainwater deflector disc
Material	Steel, hot-dip galvanised to DIN EN ISO 1461
Coating	wet-painted or powder-coated to RAL or DB colour
Height above ground	950 mm
Depth in ground	350 mm (set in concrete)
Base plate	150 × 150 mm (bolting down)

Installation

- For setting in concrete: depth in ground 350 mm.
- For bolting down: base plate 150 × 150 mm.
- For posts with base plate, there is an in-ground tube with contact plate (BEK) for setting in concrete.

For all variants: **Round · fixed · without lock (fixed)**

Order no.	Diameter	Fixing	Accessories
7 FV	Ø 70 mm	for setting in concrete	
7 FVD	Ø 70 mm	for bolting down	BEK
76 FV	Ø 76 mm	for setting in concrete	
76 FVD	Ø 76 mm	for bolting down	BEK
10 FV	Ø 102 mm	for setting in concrete	
10 FVD	Ø 102 mm	for bolting down	BEK

FINISHES a b br c cr d p Order number + abbreviation, e.g. **7 FV b**. Key to abbreviations: p. 71

Accessories	
BEK	In-ground tube with contact plate, for posts with base plate

REMOVABLE BOLLARDS

Manual locking or self-locking mechanism?

Removable posts stand in a ground socket set in concrete and are released with a key. The difference lies in how the post is locked again.

ORDER NO. WITHOUT SE, E.G. 7 HF3

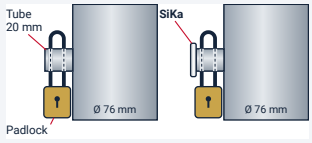
Manual locking

- Insert the post, operate the lock and turn the post clockwise as far as it will go. Then release the lock: the post is locked.
- Robust and particularly low-maintenance. Ground socket **BH**.

ORDER NO. WITH SE, E.G. 7 HF3SE

Self-locking mechanism

- The post locks automatically when inserted, no need to lock it.
- It cannot accidentally be left unlocked in the socket. Ground socket **BHSE**.
- Recommended where access is opened frequently. Standard on the square post 70/70 mm.



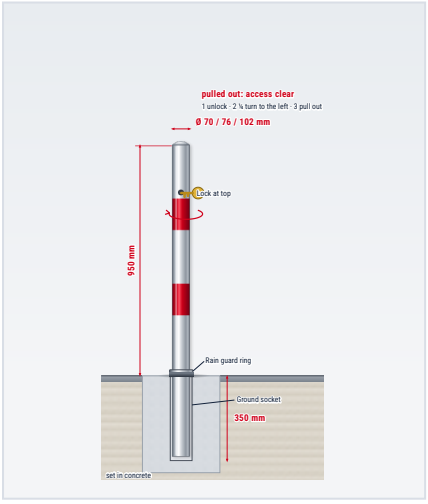
Attached tube for padlock (AufRöhr)

Can be fitted to any post and, for example, additionally secures the triangular lock with a padlock against unauthorised access. If required, with stainless steel security cap **SiKa**: it rules out any tampering past the padlock.

Locks: triangular DIN 3223 and hexagon DIN 14925 for fire brigade access routes to DIN 14090; for general access routes 8 mm triangular, security lock or profile half cylinder. A city-specific fire brigade lock is available on request.

Bollard round, removable

reinholdsmetall.de/absperrpfosten/rund-herausne…





With ground socket, manual or self-locking.

The removable round post sits in a ground socket set in concrete. Released with a key, it can be pulled out to clear the access, for example for the fire brigade, refuse collection or deliveries.

Profile	Steel tube Ø 70 / 76 / 102 mm
Cap	welded, slightly domed, with rainwater deflector disc
Material	Steel, hot-dip galvanised to DIN EN ISO 1461
Coating	wet-painted or powder-coated to RAL or DB colour
Height above ground	950 mm
Depth in ground	350 mm, with ground socket
Locking type	Manual locking or self-locking mechanism

Installation

- Set ground socket in concrete, depth in ground 350 mm.
- The ground socket matches the locking type: BH for manual locking, BHSE for self-locking.

- Locking devices for fire brigade access routes to DIN 14090 and for non-public areas. City-specific fire brigade lock on request.
- Additional security with a padlock via the attached tube (AufRöhr) possible.

Bollard round, removable

For all variants: **Round · removable**

Application	Locking	Ø 70 mm		Ø 76 mm		Ø 102 mm	
		Manual locking	Self-locking	Manual locking	Self-locking	Manual locking	Self-locking
Fire brigade access	DIN 3223 triangular	7 HF3	7 HF3SE	76 HF3	76 HF3SE	10 HF3	10 HF3SE
Fire brigade access	DIN 14925 hexagon	7 HF6	7 HF6SE	76 HF6	76 HF6SE	10 HF6	10 HF6SE
Fire brigade access	Padlock	7 HV	–	76 HV	–	10 HV	–
General access	8 mm triangular key	7 HA	7 HASE	76 HA	76 HASE	10 HA	10 HASE
General access	Security lock	7 HS	7 HSSE	76 HS	76 HSSE	10 HS	10 HSSE
General access	Profile half cylinder	7 HP	7 HPSE	76 HP	76 HPSE	10 HP	10 HPSE

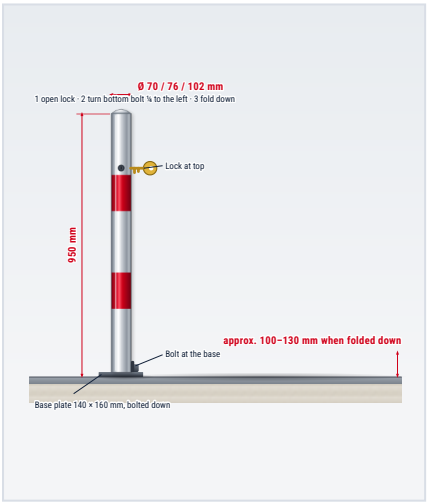
Order numbers by diameter and locking type (columns). Matching accessories under accessories or on the product page. All combinations with drawing and tender text: reinholdsmetall.de/absperrpfosten/rund-herausnehmbar

FINISHES **a** **b** **br** **c** **cr** **d** **p** Order number + abbreviation, e.g. **7 HF3 b**. Key to abbreviations: p. 71

Accessories	
7 BH / 76 BH / 10 BH	Ground socket for manual locking
7 BHSE / 76 BHSE / 10 BHSE	Ground socket for self-locking
19 DK	Triangular key DIN 3223
SK	Hexagon key DIN 14925
8 DK	Triangular key 8 mm
VS L	Padlock, long shackle

Bollard round, fold-down

reinholdsmetall.de/absperrpfosten/rund-umlegbar



With base plate for bolting down, only approx. 10 to 13 cm high when folded down.

The fold-down round post always stays in place. Once unlocked, it folds flat to the side and clears the access without having to carry away or store a post. It is bolted down with a base plate; no ground socket is needed.

Profile	Steel tube Ø 70 / 76 / 102 mm
Cap	welded, domed
Material	Steel, hot-dip galvanised to DIN EN ISO 1461
Coating	wet-painted or powder-coated to RAL or DB colour
Height above ground	950 mm
Base plate	140 × 160 mm, 3 holes Ø 12 mm, for bolting down
Height folded down	Ø 70 mm ca. 100 mm · Ø 76 mm ca. 110 mm · Ø 102 mm ca. 130 mm

Installation

- Bolt base plate 140 × 160 mm with 3 holes Ø 12 mm onto a firm base, for example with steel anchors B 12/40 (STD).
- Alternatively, set the in-ground tube with contact plate (BEK) in concrete and mount the post on it.
- Locking devices for fire brigade access routes to DIN 14090 and for non-public areas. City-specific fire brigade lock on request.

Bollard round, fold-down

For all variants: **Round · fold-down**

Diameter	Fire brigade access			General access		
	DIN 3223 triangular	DIN 14925 hexagon	Padlock	8 mm triangular key	Security lock	Profile half cylinder
Ø 70 mm	7 UF3	7 UF6	7 UV	7 UA	7 US	7 UP
Ø 76 mm	76 UF3	76 UF6	76 UV	76 UA	76 US	76 UP
Ø 102 mm	10 UF3	10 UF6	10 UV	10 UA	10 US	10 UP

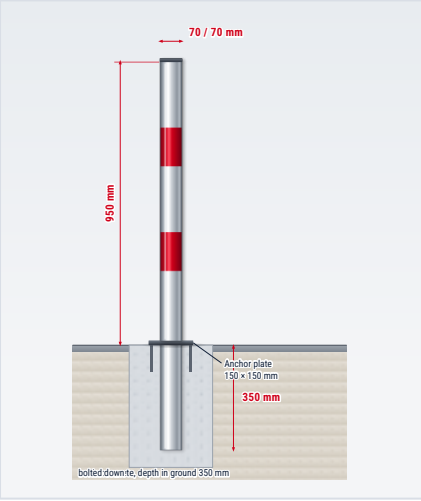
Order numbers by application and lock (columns). Matching accessories under accessories or on the product page. All combinations with drawing and tender text: reinholdsmetall.de/absperrpfosten/rund-umlegbar

FINISHES a b br c cr d p Order number + abbreviation, e.g. **7 UF3 b**. Key to abbreviations: p. 71

Accessories	
19 DK	Triangular key DIN 3223
SK	Hexagon key DIN 14925
8 DK	Triangular key 8 mm
STD	Steel anchor B 12/40
BEK	In-ground tube with contact plate
VS L	Padlock, long shackle

Bollard square, fixed

reinholdsmetall.de/absperrpfosten/vierkant-orts…



Square tube 70/70, for setting in concrete or bolting down.

The fixed square post permanently marks off areas and, with its square profile, looks somewhat more architectural than the round post.

Profile	Square tube 70 / 70 mm
Cap	welded, with rainwater deflector disc
Material	Steel, hot-dip galvanised to DIN EN ISO 1461
Coating	wet-painted or powder-coated to RAL or DB colour
Height above ground	950 mm
Depth in ground	350 mm (set in concrete)
Base plate	150 × 150 mm (bolting down)

Installation

- For setting in concrete: depth in ground 350 mm.
- For bolting down: base plate; to match, the in-ground tube with contact plate (BEK).

For all variants: **Square · fixed · 70 / 70 mm · without lock (fixed)**

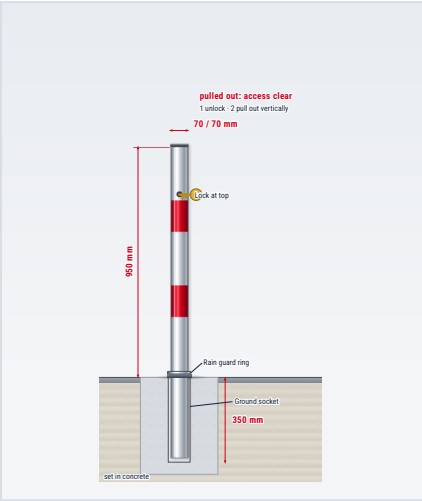
Order no.	Fixing	Accessories
VKFV	for setting in concrete	
VKFD	for bolting down	BEK

FINISHES a b br c cr d p Order number + abbreviation, e.g. **VKFV b**. Key to abbreviations: p. 71

Accessories	
BEK	In-ground tube with contact plate, for posts with base plate

Bollard square, removable

reinholdsmetall.de/absperrpfosten/vierkant-hera…





With ground socket and self-locking.

The removable square post sits in a ground socket and locks automatically when inserted.

Profile	Square tube 70 / 70 mm
Cap	welded, with rainwater deflector disc
Material	Steel, hot-dip galvanised to DIN EN ISO 1461
Coating	wet-painted or powder-coated to RAL or DB colour
Height above ground	950 mm
Depth in ground	350 mm, with ground socket
Locking type	self-locking mechanism

Installation

- Set ground socket VKBHSE in concrete, depth in ground 350 mm.
- Locking devices for fire brigade access routes to DIN 14090 and for non-public areas. City-specific fire brigade lock on request.

For all variants: **Square · removable · 70 / 70 mm · self-locking**

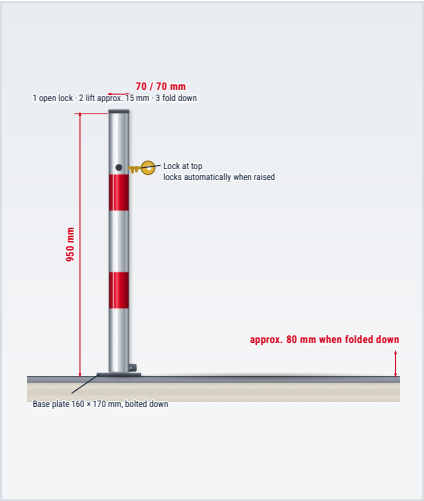
Order no.	Application	Locking	Accessories
VKHF3SE	Fire brigade access	DIN 3223 triangular	VKBHSE, 19 DK
VKHF6SE	Fire brigade access	DIN 14925 hexagon	VKBHSE, SK
VKHASE	General access	8 mm triangular key	VKBHSE, 8 DK
VKHSSE	General access	Security lock	VKBHSE
VKHPSE	General access	Profile half cylinder	VKBHSE

FINISHES a b br c cr d p Order number + abbreviation, e.g. **VKHF3SE b**. Key to abbreviations: p. 71

Accessories	
VKBHSE	Ground socket
19 DK	Triangular key DIN 3223
SK	Hexagon key DIN 14925
8 DK	Triangular key 8 mm

Bollard square, fold-down

reinholdsmetall.de/absperrpfosten/vierkant-umle…



Self-locking, robust and drive-over, on base plate 160 × 170 mm for bolting down, approx. 8 cm high when folded down.

The fold-down square post stays in place and is folded flat to open. It locks automatically when raised, is robust and can be driven over when folded down.

Profile	Square tube 70 / 70 mm
Cap	welded
Material	Steel, hot-dip galvanised to DIN EN ISO 1461
Coating	wet-painted or powder-coated to RAL or DB colour
Height above ground	950 mm
Installation	Base plate 160 × 170 mm for bolting down
Height folded down	approx. 80 mm, can be driven over
Locking type	self-locking mechanism

Installation

- Bolt base plate 160 × 170 mm onto a firm base.
- Locking devices for fire brigade access routes to DIN 14090 and for non-public areas. For fire brigade access routes, a city-specific fire brigade lock via profile half cylinder is also possible on request.
- Additional security with a padlock via the attached tube (AufRöhr) possible.

For all variants: **Square · fold-down · 70 / 70 mm · self-locking**

Order no.	Application	Locking	Accessories
VKUF3SEÜ	Fire brigade access	DIN 3223 triangular	19 DK
VKUF6SEÜ	Fire brigade access	DIN 14925 hexagon	SK
VKUASEÜ	General access	8 mm triangular key	8 DK
VKUSSEÜ	General access	Security lock	
VKUPSEÜ	General access	Profile half cylinder	

FINISHES a b br c cr d p Order number + abbreviation, e.g. **VKUF3SEÜ b**. Key to abbreviations: p. 71

Accessories	
19 DK	Triangular key DIN 3223
SK	Hexagon key DIN 14925
8 DK	Triangular key 8 mm

POSTS

Decorative bollards

Bollards of hot-dip galvanised steel tube with a choice of decorative elements.

Decorative bollards of steel tube in Ø 70, 76 and 102 mm combine safety with an attractive look, fixed or removable. Corrosion protection by hot-dip galvanising to DIN EN ISO 1461, colours to customer wishes.

Configure online
Drawing, order number and tender text (PDF, Word, GAEB D81)
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Decorative elements at a glance

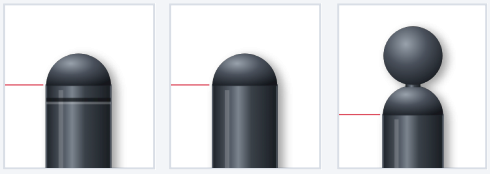
Each decorative element has an abbreviation. A top element is required, a centre element is optional (onion, for Ø 70 and 102 mm).

Ø 70 mm



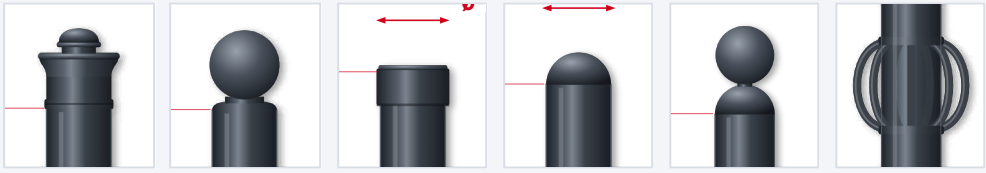
ZA Spigot · KA Cap · KU Ball · KR Ball & ring · HK Hemisphere · HKK Hemisphere & ball · ZW Onion centre

Ø 76 mm



HN Hemisphere & groove · HK Hemisphere · HKK Hemisphere & ball

Ø 102 mm



KA Cap · KU Ball · ZR Decorative ring · HK Hemisphere · HKK Hemisphere & ball · ZW Onion centre

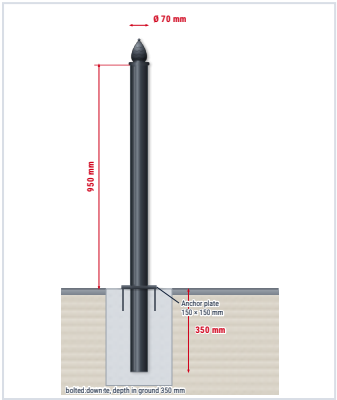
How the order number is made up

7 FV	+	KR	+	ZW	+	d
Base number		Top decorative element		Centre decorative element (optional)		Finish

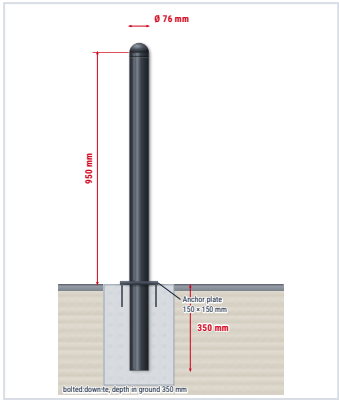
Example **7 FV KR ZW d**: decorative bollard Ø 70 mm, fixed for setting in concrete, ball & ring on top, onion in the centre, hot-dip galvanised and painted in a colour of your choice.

Decorative bollards Ø 70, 76 and 102 mm

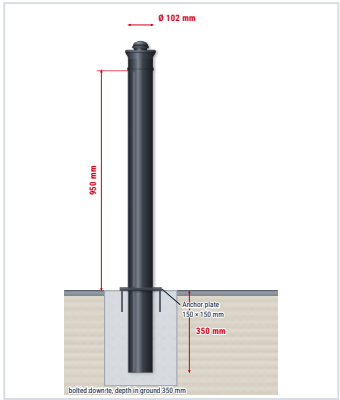
reinholdsmetall.de/zierpfosten



Ø 70 mm



Ø 76 mm



Ø 102 mm





Decorative bollards of steel tube, fixed (set in concrete or bolted down) or removable with ground socket, each with a choice of decorative elements.

	Ø 70 mm	Ø 76 mm	Ø 102 mm
Profile	Steel tube Ø 70 mm	Steel tube Ø 76 mm	Steel tube Ø 102 mm
Material	Steel, hot-dip galvanised to DIN EN ISO 1461	Steel, hot-dip galvanised to DIN EN ISO 1461	Steel, hot-dip galvanised to DIN EN ISO 1461
Height above ground	950 mm	950 mm	950 mm
Depth in ground	350 mm	350 mm	350 mm
Base plate (fixed)	150 × 150 mm (for bolting down)	150 × 150 mm (for bolting down)	150 × 150 mm (for bolting down)
Top finish	Rainwater deflector disc	Rainwater deflector disc	Rainwater deflector disc
Top decorative elements	ZA · KA · KU · KR · HK · HKK	HN · HK · HKK	KA · KU · ZR · HK · HKK
Centre decorative element	ZW	–	ZW

Base numbers, followed by the abbreviations for the decorative elements and the finish

Fixed		Ø 70 mm	Ø 76 mm	Ø 102 mm
for setting in concrete		7 FV	76 FV	10 FV
with base plate for bolting down		7 FVD	76 FVD	10 FVD

Removable	Locking	Ø 70 mm		Ø 76 mm		Ø 102 mm	
		Manual	self-locking	Manual	self-locking	Manual	self-locking
Fire brigade access	DIN 3223 triangular	7 HF3	7 HF3SE	76 HF3	76 HF3SE	10 HF3	10 HF3SE
Fire brigade access	DIN 14925 hexagon	7 HF6	7 HF6SE	76 HF6	76 HF6SE	10 HF6	10 HF6SE
Fire brigade access	Padlock	7 HV	–	76 HV	–	10 HV	–
General access	8 mm triangular key	7 HA	7 HASE	76 HA	76 HASE	10 HA	10 HASE
General access	Security lock	7 HS	7 HSSE	76 HS	76 HSSE	10 HS	10 HSSE
General access	Profile half cylinder	7 HP	7 HPSE	76 HP	76 HPSE	10 HP	10 HPSE

Removable decorative bollards stand in the ground socket **BH** (manual locking) or **BHSE** (self-locking). The base numbers correspond to the round removable bollards. On the difference between the locking types: p. 6. Padlock: via the attached tube (AufRöhr), p. 6.

Installation

- Fixed: for setting in concrete with 350 mm depth in ground or with base plate 150 × 150 mm for bolting down (in-ground tube with contact plate BEK available).
- Removable: set the ground socket in concrete, insert the post and lock it. For self-locking, use the ground socket with suffix SE.
- A city-specific fire brigade lock can be fitted.

FINISHES

d hot-dip galvanised, painted in a colour of your choice (RAL 7016 anthracite, RAL 9010 pure white, RAL 6005 moss green, RAL 8016 mahogany brown, RAL 3000 flame red, DB 701, DB 702, DB 703 or any RAL colour)

p hot-dip galvanised, powder coating in RAL / DB colours

Accessories	
BEK	In-ground tube with contact plate
19 DK	Triangular key DIN 3223
SK	Hexagon key DIN 14925
8 DK	Triangular key 8 mm
VS L	Padlock, long shackle

POSTS

Stainless steel bollards

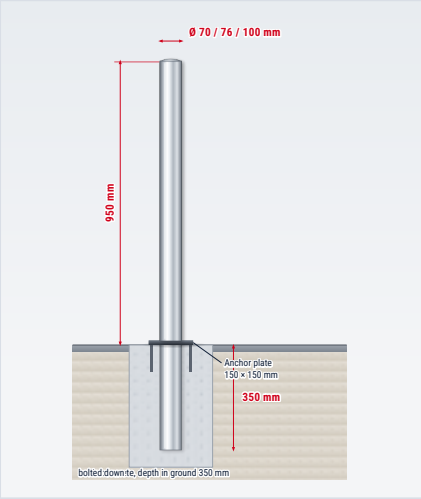
Decorative bollards in stainless steel V2A, brushed or polished.

Stainless steel bollards in V2A (material no. 1.4301) in Ø 70, 76 and 100 mm, fixed or removable. Available brushed or polished, with a choice of decorative element.

Configure online
Drawing, order number and tender text (PDF, Word, GAEB D81)
reinholdsmetall.de/edelstahlpfosten

Decorative bollard stainless steel, fixed

reinholdsmetall.de/edelstahlpfosten/edelstahl-o…



Fixed decorative bollard in stainless steel V2A in Ø 70, 76 or 100 mm.

Fixed barrier in stainless steel V2A, brushed or polished. For setting in concrete or with anchor plate for bolting down.

Profile	Stainless steel tube Ø 70 mm, 76 mm or 100 mm
Material	Stainless steel V2A (material no. 1.4301)
Height above ground	950 mm
Depth in ground	350 mm (for setting in concrete)
Anchor plate	150 × 150 mm (for bolting down)
Top finish	Rainwater deflector disc

Installation

- Version for setting in concrete with 350 mm depth in ground.
- Version with anchor plate 150 × 150 mm for bolting down; steel anchors (STD) and an in-ground tube with contact plate (BEK) are available for it.

Options

- Top decorative element: neutral, ball, brass ball, hemisphere
- Ordering: order no. + decorative element + finish (brushed or polished).
- Further accessories and spare parts under bollard accessories.

For all variants: **fixed · stainless steel V2A**

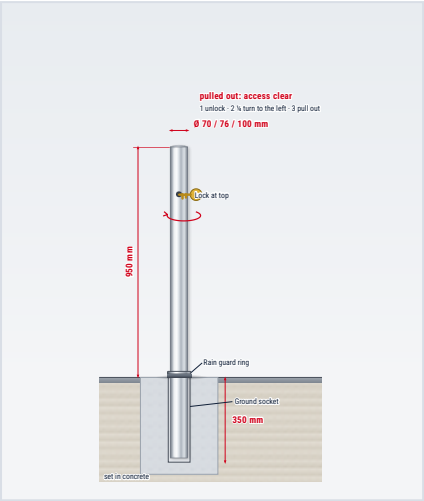
Order no.	Diameter	Fixing	Accessories
E7 FV	Ø 70 mm	for setting in concrete	
E7 FVD	Ø 70 mm	with anchor plate 150 × 150 mm	STD, BEK
E76 FV	Ø 76 mm	for setting in concrete	
E76 FVD	Ø 76 mm	with anchor plate 150 × 150 mm	STD, BEK
E10 FV	Ø 100 mm	for setting in concrete	
E10 FVD	Ø 100 mm	with anchor plate 150 × 150 mm	STD, BEK

FINISHES **brushed** Stainless steel V2A, brushed (grit 240) | **polished** Stainless steel V2A, polished

Accessories	
STD	Steel anchor
BEK	In-ground tube with contact plate

Decorative bollard stainless steel, removable

reinholdsmetall.de/edelstahlpfosten/edelstahl-h…



Removable decorative bollard in stainless steel V2A in Ø 70, 76 or 100 mm with galvanised ground socket.

Removable barrier in stainless steel V2A with manual locking or self-locking mechanism. Locking devices for fire brigade access routes to DIN 14090 and for non-public areas.

Profile	Stainless steel tube Ø 70 mm, 76 mm or 100 mm
Material	Stainless steel V2A (material no. 1.4301)
Height above ground	950 mm
Depth in ground	350 mm
Ground socket	Galvanised steel tube
Top finish	Rainwater deflector disc
Lock	Fire brigade access routes to DIN 14090 and general access routes

Installation

- The matching ground socket of galvanised steel tube is set in concrete; the post is inserted and locked in it.
- Self-locking requires the ground socket with suffix SE.

Options

- Top decorative element: neutral, ball, brass ball, hemisphere
- Ordering: order no. + decorative element + finish (brushed or polished).
- Additional security with a padlock via the attached tube (AufRöhr) possible.
- A city-specific fire brigade lock can be fitted.
- Further accessories and spare parts under bollard accessories.

For all variants: **removable · stainless steel V2A**

Application	Locking	Ø 70 mm		Ø 76 mm		Ø 100 mm	
		Manual locking	Self-locking	Manual locking	Self-locking	Manual locking	Self-locking
Fire brigade access	DIN 3223 triangular	E7 HF3	E7 HF3SE	E76 HF3	E76 HF3SE	E10 HF3	E10 HF3SE
Fire brigade access	DIN 14925 hexagon	E7 HF6	E7 HF6SE	E76 HF6	E76 HF6SE	E10 HF6	E10 HF6SE
Fire brigade access	Padlock	E7 HV	–	E76 HV	–	E10 HV	–
General access	8 mm triangular key	E7 HA	E7 HASE	E76 HA	E76 HASE	E10 HA	E10 HASE
General access	Security lock	E7 HS	E7 HSSE	E76 HS	E76 HSSE	E10 HS	E10 HSSE
General access	Profile half cylinder	E7 HP	E7 HPSE	E76 HP	E76 HPSE	E10 HP	E10 HPSE

Order numbers by diameter and locking type (columns). Matching accessories under accessories or on the product page. All combinations with drawing and tender text: reinholdsmetall.de/edelstahlpfosten/edelstahl-herausnehmbar

FINISHES **brushed** Stainless steel V2A, brushed (grit 240) | **polished** Stainless steel V2A, polished

Accessories	
19 DK	Triangular key DIN 3223
SK	Hexagon key DIN 14925
8 DK	Triangular key 8 mm

POSTS

Fire brigade guide posts

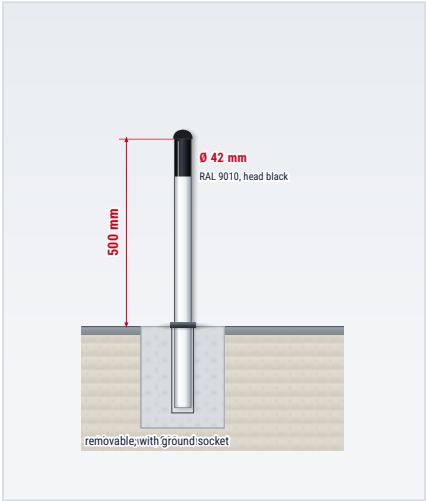
Fire lane and guide posts in Ø 42 and 60 mm for edge marking of fire brigade areas.

For clearly visible edge marking of fire brigade areas to DIN 14090. Available fixed or removable with ground socket, with plastic cap or welded steel cap.

Configure online
Drawing, order number and tender text (PDF, Word, GAEB D81)
reinholdsmetall.de/feuerwehr-leitpfosten

Fire brigade guide post Ø 42 mm

reinholdsmetall.de/feuerwehr-leitpfosten/leitpf…





Fire lane/guide post Ø 42 mm, fixed or removable, with plastic or steel cap.

For clearly visible edge marking of fire brigade areas to DIN 14090.

Profile	Steel tube Ø 42 mm
Height above ground	500 mm
Depth in ground	230 mm
Material	Steel, hot-dip galvanised
Coating	Paint RAL 9010 pure white
Head	black plastic cap or welded steel end cap with black 100 mm head piece

Installation

- For permanent installation (set in concrete) or detachable with ground socket.
- Depth in ground 230 mm.

Options

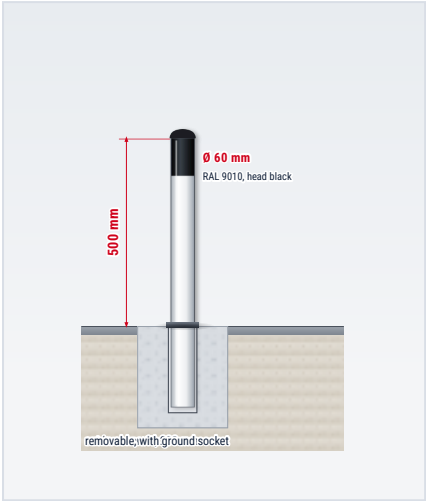
- Surface: hot-dip galvanised, RAL 9010 pure white, with black plastic cap or black head piece
- Also available with V2A drive-in cap (stainless steel).

For all variants: **Ø 42 mm**

Order no.	Installation	Head design	Fixing
FFF42	fixed	Plastic cap	for setting in concrete
FFF42SK	fixed	Steel cap	for setting in concrete
FFH42	removable	Plastic cap	with ground socket
FFH42SK	removable	Steel cap	with ground socket

Fire brigade guide post Ø 60 mm

reinholdsmetall.de/feuerwehr-leitpfosten/leitpf…





Fire lane/guide post Ø 60 mm, fixed or removable, with plastic or steel cap.

For clearly visible edge marking of fire brigade areas to DIN 14090.

Profile	Steel tube Ø 60 mm
Height above ground	500 mm
Depth in ground	230 mm
Material	Steel, hot-dip galvanised
Coating	Paint RAL 9010 pure white
Head	black plastic cap or welded steel end cap with black 100 mm head piece

Installation

- For permanent installation (set in concrete) or detachable with ground socket.
- Depth in ground 230 mm.

Options

- Surface: hot-dip galvanised, RAL 9010 pure white, with black plastic cap or black head piece
- Also available with V2A drive-in cap (stainless steel).

For all variants: **Ø 60 mm**

Order no.	Installation	Head design	Fixing
FFF60	fixed	Plastic cap	for setting in concrete
FFF60SK	fixed	Steel cap	for setting in concrete
FFH60	removable	Plastic cap	with ground socket
FFH60SK	removable	Steel cap	with ground socket

POSTS

Impact protection posts

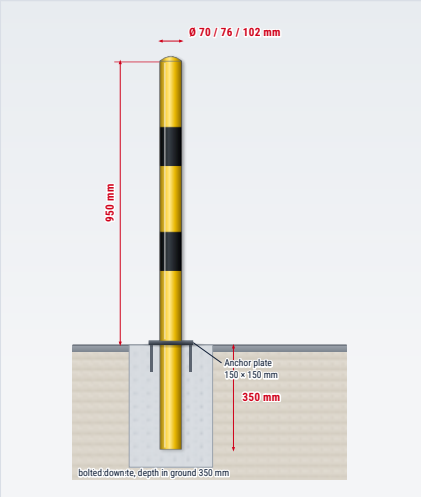
Fixed impact protection posts of hot-dip galvanised steel tube in yellow with black foil.

Fixed round post for setting in concrete or with anchor plate, powder-coated in yellow RAL 1023 with black foil.

Configure online
Drawing, order number and tender text (PDF, Word, GAEB D81)
reinholdsmetall.de/rammschutzpfosten

Impact protection post round, fixed

reinholdsmetall.de/rammschutzpfosten/rammschutz…



Fixed impact protection post of hot-dip galvanised steel tube, powder-coated yellow with black foil.

Round post with welded, slightly domed cap for setting in concrete or with anchor plate. Colour yellow RAL 1023 with black foil.

Profile	Round tube Ø 70 / 76 / 102 mm
Height above ground	950 mm
Material	Steel hot-dip galvanised to DIN EN ISO 1461
Cap	slightly domed, welded, with rainwater deflector disc
Coating	powder-coated yellow RAL 1023
Foil wrapping	black

Installation

- For setting in concrete or with anchor plate for bolting down.

For all variants: **fixed**

Order no.	Diameter	Fixing	Accessories
RS 7 FV	Ø 70 mm	for setting in concrete	
RS 7 FVD	Ø 70 mm	for bolting down	BEK
RS 76 FV	Ø 76 mm	for setting in concrete	
RS 76 FVD	Ø 76 mm	for bolting down	BEK
RS 10 FV	Ø 102 mm	for setting in concrete	
RS 10 FVD	Ø 102 mm	for bolting down	BEK

ACCESSORIES

Bollard accessories

Keys, locks, attached tubes, ground sockets, chains and spare parts for bollards and decorative bollards.

Accessories and spare parts for bollards and decorative bollards: keys and locks, attached tubes for padlocks, spare locks, ground sockets and cover caps as well as chains and chain connectors.

Keys and locks

reinholdsmetall.de/pfosten-zubehoer/schluessel-…



Keys, padlocks and lock cylinders for bollards.

Matching keys for triangular (DIN 3223) and hexagon locks (DIN 14925), padlocks and profile and lever cylinders for bollards.

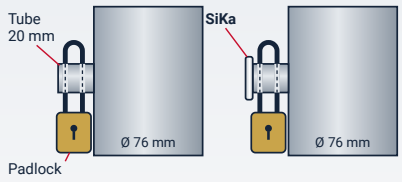
Profile half cylinder / round/lever cylinder incl. 2 keys

- For additional security with a padlock, there is the attached tube (AufRöhr), with stainless steel security cap (SiKa) on request.

Order no.	Art
19 DK	Triangular key for DIN 3223
SK	Hexagon key for DIN 14925
8 DK	Triangular key 8 mm for standard lock
VS	Padlock
VS L	long-shackle padlock
PhZ	Profile half cylinder incl. 2 keys
PhZF3	Profile half cylinder with triangular DIN 3223
PhZF6	Profile half cylinder with hexagon DIN 14925
HZ	Round/lever cylinder incl. 2 keys

Attached tube for padlock

reinholdsmetall.de/pfosten-zubehoer/aufgesetzte…





Additional security with a padlock, on any post.

The attached tube can be fitted to any post. It allows, for example, the triangular lock to be additionally secured with a padlock against unauthorised access. If required, the tube gets a stainless steel security cap (SiKa) that rules out any tampering past the padlock.

Tube	20 mm wide, with hole for padlock
Fitting	on any post
Security cap	Stainless steel, on request (SiKa)

- The padlock is not included; matching padlocks (VS, VS L) under keys and locks.

Order no.	Art
AufRöhr	attached tube with hole for padlock
SiKa	Stainless steel security cap for attached tube

Spare locks

reinholdsmetall.de/pfosten-zubehoer/ersatzschlo…



Spare triangular and hexagon locks for bollards Ø 70, 76 and 102 mm.

Spare parts (ET) for bollard locks, with fixing screws or with gear rod. Available for post diameters 70, 76 and 102 mm.

Locking	Triangular DIN 3223 or hexagon DIN 14925
Diameter	Ø 70, 76, 102 mm
Finish	with fixing screws or gear rod
Art	Spare part

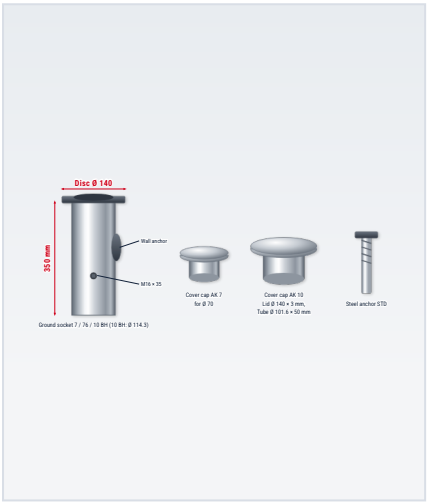
Spare locks

Diameter	Spare triangular lock DIN 3223 with fixing screws	Spare hexagon lock DIN 14925 with fixing screws	Spare triangular lock DIN 3223 with gear rod	Spare hexagon lock DIN 14925 with gear rod
Ø 70 mm	7 F3	7 F6	7 GEF3	7 GEF6
Ø 76 mm	76 F3	76 F6	76 GEF3	76 GEF6
Ø 102 mm	10 F3	10 F6	10 GEF3	10 GEF6

Order numbers by type (columns). All combinations with drawing and tender text: reinholdsmetall.de/pfosten-zubehoer/ersatzschloesser

Ground sockets and fittings

reinholdsmetall.de/pfosten-zubehoer/bodenhuelse…



Ground sockets, cover caps and fixing parts for removable and fixed posts.

Ground sockets for manual or self-locking in Ø 70, 76, 102 mm and square 70/70 mm, plus cover caps, in-ground tube, steel anchors and bonded anchors.

Ground sockets	Manual locking or self-locking
Diameter	Ø 70, 76, 102 mm, square 70/70 mm
Cover caps	Ø 70, 76, 102 mm, square
Fixing	In-ground tube, steel anchor, bonded anchor

Diameter	Ground socket for manual locking	Ground socket for self-locking	Cover cap for ground socket	Cover cap for square	In-ground tube with contact plate	Steel anchor	Fixing with bonded anchors
Ø 70 mm	7 BH	7 BHSE	AK 7	–	–	–	–
Ø 76 mm	76 BH	76 BHSE	AK 76	–	–	–	–
Ø 102 mm	10 BH	10 BHSE	AK 10	–	–	–	–
70 / 70 mm	VKBH	VKBHSE	–	AKVK	–	–	–
–	–	–	–	–	BEK	STD	VAP

Order numbers by type (columns). All combinations with drawing and tender text: reinholdsmetall.de/pfosten-zubehoer/bodenhuelsen-einbauteile

Chains and chain accessories

reinholdsmetall.de/pfosten-zubehoer/ketten-zube…



Barrier chains, chain eyes and chain connectors for bollards.

Plastic and steel chains as well as chain eyes, emergency links and snap hooks for connecting chain and post.

Chain eye M8, galvanised	for barrier chains, any number per post
Plastic chain	red-white, other colours on request

Order no.	Art
KO	Chain eye M8, galvanised
E KO	Chain eye M8, stainless
NG 6	Emergency link (shear link) 6 mm
KB 6	Snap hook 6 mm
PK	Plastic chain, red-white
ZK 6	galvanised steel chain C-link, 6 mm
ZK 4	galvanised steel chain C-link, 4 mm
PLK	Steel chain, galvanised underneath, red-white

B

Barriers & parking

For access roads, parking spaces and paths: manual and electric barriers, chain and hoop barriers, path barriers, chain lowering systems and gate operators.



Parking space protection ?
Hoop barriers ?
Path barriers ?
Manual barriers ?
Chain lowering systems ?
Electric barriers ?
Gate operators ?
Accessories for barriers and gate operators ?

SPACE PROTECTION

Parking space protection

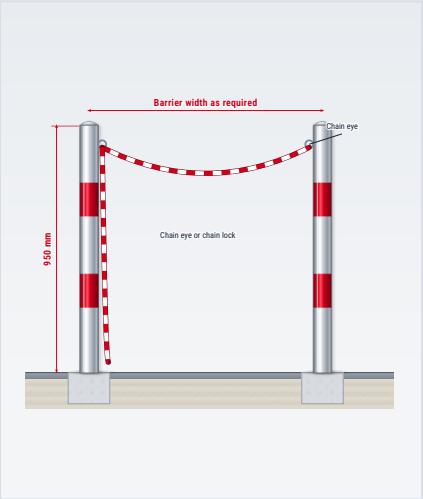
Chain barriers and fold-down hoop barriers to keep parking spaces free.

Effective and robust demarcation of parking spaces, outdoor car parks and underground garage spaces. Choose from chain posts with chain eye or chain lock and hoop barriers with locks for fire brigade and general access routes.

Configure online
Drawing, order number and tender text (PDF, Word, GAEB D81)
reinholdsmetall.de/parkplatzsicherung

Chain barrier Ø 70 mm

reinholdsmetall.de/parkplatzsicherung/kettenabs…





Chain posts Ø 70 mm with chain eye or chain lock, fixed or removable.

Effective and robust demarcation of parking spaces, outdoor car parks and underground garage spaces. The chain lock holds the chain by means of a locking plug that can be locked with a profile half cylinder.

Profile	Steel tube Ø 70 mm
Height above ground	950 mm
Depth in ground	350 mm
Base plate	150 × 150 mm (bolt-down version)
Head	welded, domed end cap
Chain lock	Chain held by a locking plug, lockable with a profile half cylinder
Material	Steel hot-dip galvanised to DIN EN ISO 1461

Installation

- Fixed, for setting in concrete (depth in ground 350 mm) or with base plate 150 × 150 mm for bolting down.
- For the bolt-down version, steel anchors and an in-ground tube with contact plate are available.
- Removable version with ground socket, locked with triangular key DIN 3223.

Options

- Plug side (chain lock): removable on the right or left
- For posts with chain lock please state: plug removable on the right or left.
- Other versions in diameter, height or number of chain eyes are available on request.

For all variants: **Ø 70 mm**

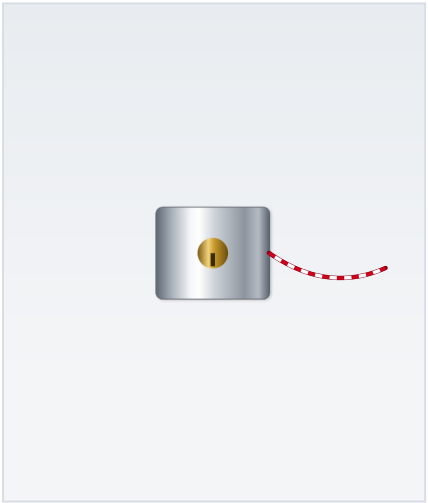
Order no.	Installation	Fixing	Equipment	Locking	Accessories
KFO	fixed	for setting in concrete	with one chain eye	–	
KFS	fixed	for setting in concrete	with chain lock	Profile half cylinder	
KDO	fixed	for bolting down	with one chain eye	–	STD, BEK
KDS	fixed	for bolting down	with chain lock	Profile half cylinder	STD, BEK
KHS	removable	with ground socket	with chain lock	DIN 3223 triangular	7 BH, 19 DK

FINISHES a b br c cr d p Order number + abbreviation, e.g. **KFO b**. Key to abbreviations: p. 71

Accessories	
STD	Steel anchor
BEK	In-ground tube with contact plate
7 BH	Ground socket Ø 70 mm
19 DK	Triangular key for DIN 3223
KO	Chain eye M8, galvanised
NG 6	Emergency link (shear link) 6 mm
KB 6	Snap hook 6 mm
ZK 6	galvanised steel chain C-link, 6 mm
ZK 4	galvanised steel chain C-link, 4 mm
PLK	Steel chain, galvanised underneath, red-white
PK	Plastic chain, red-white
KW	Chain lock for wall fixing
KS	Chain lock, single

Chain locks

reinholdsmetall.de/parkplatzsicherung/kettensch…



Chain locks for wall fixing or in a simple version as an addition to the chain barrier.

Addition to the chain barrier, e.g. to lock a chain on a wall.

Finish for wall fixing (KW) or single (KS)

Order no.	Fixing	Equipment
KW	Wall fixing	for wall fixing
KS	–	single

SPACE PROTECTION

Hoop barriers

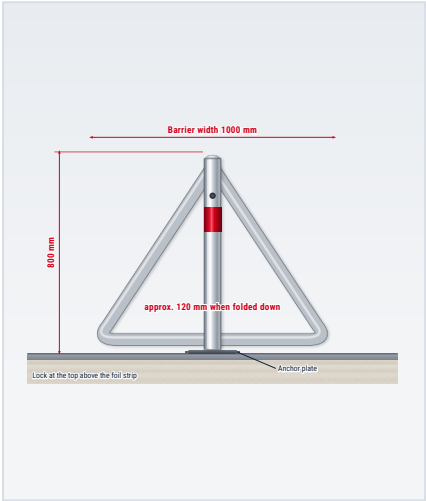
Fold-down hoop barriers Ø 70 mm for car parks and fire brigade access routes, with base plate for bolting down.

Hoop barriers protect individual parking spaces and access routes. Folded down, they are only approx. 120 mm high and can be driven over.

Configure online
Drawing, order number and tender text (PDF, Word, GAEB D81)
reinholdsmetall.de/buegelabsperrungen

Hoop barrier Ø 70 mm, fold-down

reinholdsmetall.de/buegelabsperrungen/buegelabs…



Fold-down hoop barrier of galvanised steel tube Ø 70 mm with 1000 mm barrier width.

Keeps parking spaces free simply and effectively; the 1000 mm barrier width of the hoop prevents driving past at the side. Available with locks for fire brigade and general access routes.

Profile	galvanised steel tube Ø 70 mm
Height above ground	800 mm
Barrier width	1000 mm
Head	welded, domed end cap
Base plate	for bolting down, 4 anchor holes d = 12.5 mm (triangular, 540 × 200 mm)
Height folded down	ca. 120 mm
Material	Steel hot-dip galvanised to DIN EN ISO 1461

Installation

- Bolt down via base plate with 4 anchor holes d = 12.5 mm.
- Steel anchors and an in-ground element with contact plate are available for installation.
- A city-specific fire brigade lock and a round cylinder are also possible.

For all variants: **Ø 70 mm · fold-down**

Order no.	Application	Locking	Accessories
BSB F3	Fire brigade access	DIN 3223 triangular	19 DK
BSB F6	Fire brigade access	DIN 14925 hexagon	SK
BSB V	Fire brigade access	Padlock	VS L
BSB S	General access	Security lock	
BSB P	General access	Profile half cylinder	
BSB A	General access	8 mm triangular key	8 DK

FINISHES a b br c cr d p Order number + abbreviation, e.g. **BSB F3 b**. Key to abbreviations: p. 71

Accessories	
19 DK	Triangular key for DIN 3223
SK	Hexagon key for DIN 14925
8 DK	Triangular key 8 mm
VS L	Padlock, long shackle
STD	Steel anchor
BEKB	In-ground element with contact plate

SPACE PROTECTION

Path barriers

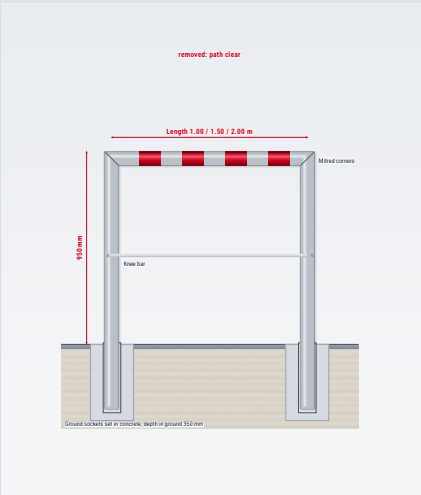
Path barriers for securing railway and pedestrian paths – removable or as a swivelling half barrier.

Path barriers for securing railway and pedestrian paths in two designs: removable round tube 90° and swivelling path half barrier. Intermediate sizes and other lengths are possible.

Configure online
Drawing, order number and tender text (PDF, Word, GAEB D81)
reinholdsmetall.de/wegesperren

Path barrier round tube 90°, removable

reinholdsmetall.de/wegesperren/wegesperre-90-ru…





Removable path barrier of round tube Ø 70 mm with cross rail and knee bar.

For securing railway and pedestrian paths. Locks automatically on insertion, lockable with triangular lock DIN 3223, hexagon lock DIN 14925 or profile cylinder.

Profile	Round tube Ø 70 mm
Height above ground	950 mm
Depth in ground	350 mm
Construction	2 standpipes for setting in concrete, 1 cross rail, 1 knee bar
Locking	Ground socket and insert sleeve, automatic locking on insertion
Head	welded, slightly domed steel end cap with rainwater deflector disc
Material	Steel hot-dip galvanised to DIN EN ISO 1461

Installation

- Standpipes for setting in concrete, depth in ground 350 mm.
- With ground socket and insert sleeve; the path barrier locks automatically when inserted.

Options

- Lock: triangular lock DIN 3223, hexagon lock DIN 14925 or profile cylinder
- Intermediate sizes and other lengths possible.
- Locking device on one side (other side plugged in); padlock, city-specific fire brigade lock, 8 mm triangular and round cylinder also possible.

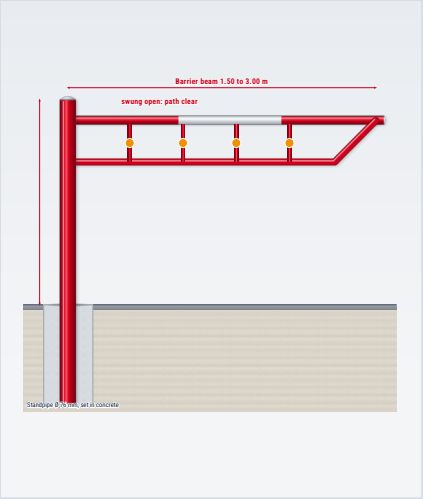
For all variants: **Round tube 90° · removable · Ø 70 mm**

Order no.	Length
WeSpe H70/1	1,00 m
WeSpe H70/1,5	1,50 m
WeSpe H70/2	2,00 m

FINISHES a b br c cr d p Order number + abbreviation, e.g. **WeSpe H70/1 b**. Key to abbreviations: p. 71

Path half barrier Ø 76 mm, swivelling

reinholdsmetall.de/wegesperren/wege-halbschrank…





Swivelling path half barrier with standpipe Ø 76 mm and barrier beam of steel tube Ø 40 mm.

For securing railway and pedestrian paths. Lockable with a padlock in both end positions.

Standpipe	Ø 76 mm, total length 1500 mm, for setting in concrete
Turned part	Sleeve element with welded barrier beam
Barrier beam and lower rail	Steel tube Ø 40 mm, barrier element curving upwards
Reflectors	welded-in plate for reflectors
Lock	Plug-in bolt for padlock, lockable in both end positions

Installation

- Standpipe for setting in concrete.

Options

- Surface: hot-dip galvanised, painted red with white foil, other colours on request
- Intermediate sizes and other lengths possible.

For all variants: **Half barrier · swivelling · Ø 76 mm · for setting in concrete · padlock**

Order no.	Length
WeSpe VS/1,5	1,50 m
WeSpe VS/2	2,00 m
WeSpe VS/2,50	2,50 m
WeSpe VS/3	3,00 m

BARRIERS

Manual barriers

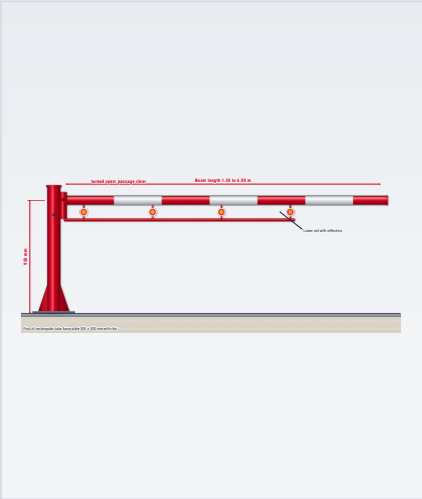
Manual tilting and swing barriers for closing off access roads and paths.

Manual barriers secure entrances, exits and access roads or mark off paths, e.g. in car parks and on forest and farm tracks. Depending on the design, the boom tilts vertically or swings horizontally.

Configure online
Drawing, order number and tender text (PDF, Word, GAEB D81)
reinholdsmetall.de/handschranken

Manual swing barrier

reinholdsmetall.de/handschranken/handdrehschran…





Barrier with horizontally swivelling steel boom and three separate locking routes for emergency release by fire and rescue services as well as operator locks.

For securely closing off entrances, exits and access roads or for path boundaries. Boom lengths from 1.50 to 6.00 m.

Height to top of boom	950 mm
Upright	Square tube 80 × 80 mm
Turned part	Square tube 70 × 70 mm with welded-on boom, swivelling horizontally
Base plate	300 × 300 mm with 4 holes Ø 18.5 mm
Foundation (W x D x H)	400 × 400 × 600 mm
Barrier boom	Steel tube Ø 70 mm with lower rail Ø 33.7 mm, optionally with anti-sit devices, welded-in spacers with reflectors
Material	Steel S235, hot-dip galvanised
Emergency release	Triangular lock DIN 3223 or hexagon socket lock DIN 14925, both with security cap and additional padlock; or city-specific fire brigade lock
Operator locking	Profile half cylinder 30/10 mm, optionally with forced locking

Installation

- Bolt base plate 300 × 300 mm with 4 holes Ø 18.5 mm onto a foundation 400 × 400 × 600 mm, optionally with bonded anchors (VAP).

Options

- Emergency release: triangular DIN 3223, hexagon socket DIN 14925 or city-specific fire brigade lock
- Forced locking: for operator locking
- Anti-sit device: with or without
- Finish: hot-dip galvanised or painted red with white foil, other colours on request
- Intermediate sizes possible.
- From 3.50 m boom length, a receiving post is standard.

For all variants: **Manual swing barrier · steel**

Order no.	Boom length
HDS 1,5	1,50 m
HDS 2,0	2,00 m
HDS 2,5	2,50 m
HDS 3	3,00 m
HDS 3,5	3,50 m
HDS 4	4,00 m

Manual swing barrier Continued

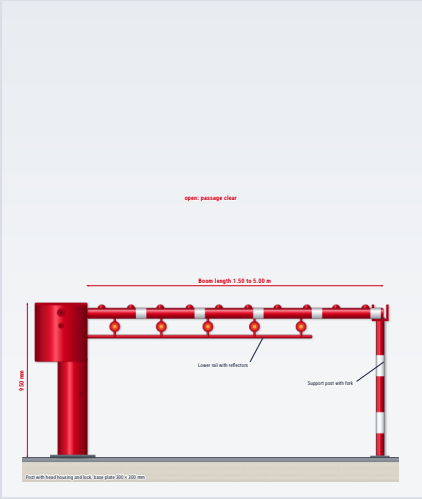
Order no.	Boom length
HDS 4,5	4,50 m
HDS 5	5,00 m
HDS 5,5	5,50 m
HDS 6	6,00 m

FINISHES **a** hot-dip galvanised | **br** hot-dip galvanised, red reflective foil | **cr** hot-dip galvanised, RAL 3000 red with white reflective foil | **d** hot-dip galvanised, painted in a colour of your choice

Accessories	
SAW	Anti-sit device
APD	Support posts
VAP	Fixing with bonded anchors
19 DK	Triangular key for DIN 3223
SK	Hexagon key for DIN 14925

Manual tilting barrier

reinholdsmetall.de/handschranken/handkippschran…





Barrier with vertically tilting boom and three separate locking routes for emergency release by fire and rescue services as well as operator locks.

For securely closing off entrances, exits and access roads or for path boundaries. Up to 3.00 m with steel boom, from 3.50 m with aluminium boom.

Height to top of boom	950 mm
Barrier base	solid rectangular steel tube 200 × 100 mm
Base plate	300 × 300 mm with 4 holes Ø 18.5 mm
Foundation (W x D x H)	400 × 400 × 600 mm
Steel barrier boom	Steel tube Ø 70 mm with lower rail Ø 33.7 mm, optionally with anti-sit devices, welded-in spacers with reflectors
Aluminium barrier boom	Ø 70 mm with folded sheet-metal upper and lower rail (from 3.50 m)
Operation	built-in spring for easier operation, robust locking bolt
Emergency release	Triangular lock DIN 3223 or hexagon socket lock DIN 14925, both with security cap and additional padlock; or city-specific fire brigade lock
Operator locking	Profile half cylinder 30/10 mm, optionally with forced locking

Installation

- Bolt base plate 300 × 300 mm with 4 holes Ø 18.5 mm onto a foundation 400 × 400 × 600 mm, optionally with bonded anchors (VAP).

Options

- Emergency release: triangular DIN 3223, hexagon socket DIN 14925 or city-specific fire brigade lock
- Forced locking: for operator locking
- Anti-sit device: with steel boom up to 3 m
- Finish: hot-dip galvanised or painted red with white foil (aluminium: painted red with white foil), other colours on request
- Intermediate sizes possible.
- From a boom length of 3.50 m, the boom is made of aluminium.

For all variants: **Manual tilting barrier**

Order no.	Boom length	Boom material
HKS 1,5	1,50 m	Steel
HKS 2,0	2,00 m	Steel
HKS 2,5	2,50 m	Steel
HKS 3	3,00 m	Steel
HKS A13,5	3,50 m	Aluminium
HKS A14	4,00 m	Aluminium
HKS A14,5	4,50 m	Aluminium
HKS A15	5,00 m	Aluminium

FINISHES **a** hot-dip galvanised | **br** hot-dip galvanised, red reflective foil | **cr** hot-dip galvanised, RAL 3000 red with white reflective foil | **d** hot-dip galvanised, painted in a colour of your choice

Accessories	
SAW	Anti-sit device (up to 3 m)
APK	Support posts
VAP	Fixing with bonded anchors
19 DK	Triangular key for DIN 3223
SK	Hexagon key for DIN 14925

DRIVES

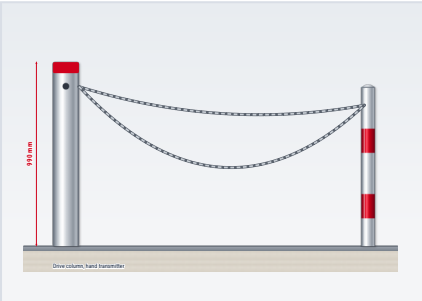
Chain lowering systems

Electric chain lowering systems for closing entrances and exits, loading zones and car parks by hand transmitter.

A geared motor raises or lowers the stainless steel chain or barrier rope in a few seconds. Operated by hand transmitter without leaving the car.

Chain lowering system KA 100

reinholdsmetall.de/kettenabsenker/kettenabsenke…



Chain lowering system with one drive column and a geared motor, with rope or stainless steel chain.

For closing entrances and exits, loading and unloading zones and car parks. Delivery includes drive column with motor, control unit, rope with sleeves or stainless steel chain, counterweight and mounting plate.

Mains connection	230 VAC / 50 Hz
Barrier width with rope	8 m standard, with 2nd drive column up to max. 15 m
Barrier width with stainless steel chain	6.50 m standard, with 2nd drive column up to max. 12 m
Control voltage	24 VDC
Drive motors	24 VDC, 5 A
Breaking point	Safety ring
Base plate dimensions W x D	200 × 320 mm
Control unit	convenient microprocessor control
Connection for	photocell, key button and warning light/lighting
Automatic closing	selectable, setting range 10–150 sec.
Radio system	2-channel radio receiver 868.3 MHz, 4-channel hand transmitter 868.3 MHz
Fixing method	by means of a base plate for bolting down, optionally with concrete anchor plate
Column material	Steel, hot-dip galvanised or optionally powder-coated to RAL
Maximum tensile force	450 N
Column dimensions H x W x D	990 × 140 × 140 mm
Scope of delivery	Drive column with motor, control unit, rope with sleeves or stainless steel chain, counterweight, mounting plate for fixing the barrier rope/chain

Installation

- The chain lowering system is supplied ready for connection.
- Fixing by means of a base plate for bolting down, optionally with concrete anchor plate or ground fixing plate for setting in concrete.
- The chain or rope is fixed to the counter column (special accessory) or to an existing wall or post.
- Push buttons for raising and lowering can be connected.

Options

- Hand transmitter: optional
- Safety flags: yellow or orange reflective
- Counter column: with internal or external counterweight (with internal counterweight, the rope lowers into the column)
- Column lid: cover with LED lighting
- Ground fixing plate: for setting in concrete
- Warning light: optional
- Surface: powder-coated to RAL instead of hot-dip galvanised

- A breaking point (safety ring) limits damage to vehicle and chain lowering system if driven through by mistake.
- Counterweights allow almost the full passage width.
- Automatic closing after passage is possible.
- Subject to technical changes.
- Inspection and maintenance of electric barriers and gate operators according to ASR A1.7, incl. entry in the inspection log with inspection sticker, is available.

For all variants: **Drive column with 1 motor**

Order no.
KA 100

BARRIERS

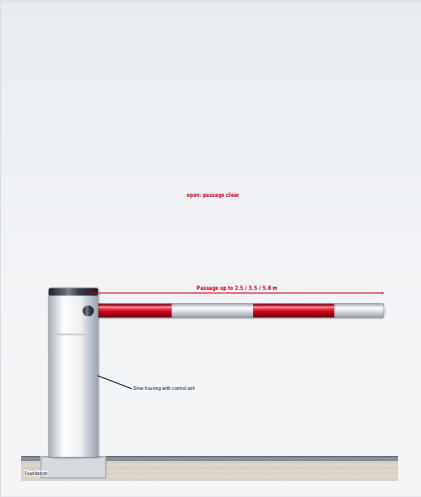
Electric barriers

Electric barriers SPID by DITEC for passages up to 4 or 6 m.

The SPID controls traffic in car parks, on company premises and in residential complexes as well as at wide factory entrances. Booms up to 6.25 m and a wide range of accessories are available.

Electric barrier DITEC SPID

reinholdsmetall.de/e-schranken/ditec-spid



Electric barrier SPID by DITEC for passages up to 4 m (SPID40B) or 6 m (SPID60B), 24 V drive, fast opening.

For car parks, company premises and residential complexes (SPID40B) as well as wide access roads, industrial sites and high-traffic locations (SPID60B). One model fits right- and left-hand opening.

Manufacturer	DITEC	**Product line**	SPID
Models	SPID40B: clear passage up to 4 m; SPID60B: clear passage up to 6 m	**Opening direction**	one model for right- or left-hand opening
Opening time	2–2.5 s or 3–3.5 s, depending on model and angle, with end braking	**Supply voltage**	100–240 V AC
Motor	24 V DC, max. 10 A	**Cycles**	SPID40B: 320 per hour; SPID60B: 240 per hour; tested up to 2.5 million cycles
Safety	virtual encoder and dynamic obstacle detection	**Control unit**	integrated control unit LCU55 with over 100 parameters, dual-frequency receiver and Bluetooth, setup via app
Standby consumption	below 0.6 W (SPID40B) or 0.8 W (SPID60B)	**Barrier boom**	flat (SPB) 3.25 or 4.25 m; elliptical (EPB) 3.25 m, optionally 4.25, 5.25 or 6.25 m
Housing	Steel, galvanised and painted	**Release for manual opening**	Release handle with profile cylinder 30/10
Operating temperature	-20 °C to +55 °C, with NIO accessory down to -35 °C	**Protection class**	IP54

Options

- Boom: flat (SPB) or elliptical (EPB), length to suit the passage
- Designed for frequent passages, with app-based setup directly at the system.
- Inspection and maintenance of electric barriers and gate operators according to ASR A1.7, incl. entry in the inspection log with inspection sticker, is available.
- Basis of the inspection obligation (Germany): duty to maintain safety (Art. 14 GG; §§ 823, 836 BGB), § 3/3a ArbStättV, § 5 ArbSchG, ASR A1.7, manufacturers' maintenance and safety instructions.

Order no.	Boom length	Passage width
SPID40B	Boom 3.25 or 4.25 m	Passage up to 4 m
SPID60B	Boom up to 6.25 m	Passage up to 6 m

Accessories	
SPB / EPB	Barrier boom flat or elliptical
LEDSR40 / LEDSR60	red LED strips for the elliptical boom
BALSK20	Hanging grille in aluminium, 2 m
DRS10	Reflective strips
BFIS / BMOS	Support post fixed or folding
BPAB	Base plate with anchoring

DRIVES

Gate operators

Gate operators by Ditec: Ditec PWR for swing gates and Ditec NEOS Green for sliding gates.

Electric gate operators open and close driveway, yard and entrance gates. The choice of system depends mainly on the installation situation and gate profile.

Swing gate operator Ditec PWR

reinholdsmetall.de/torantriebe/ditec-pwr



Electromechanical swing gate operators Ditec PWR for gate leaves up to 2.5, 3.5 or 5 m, for residential, commercial and industrial use.

Automation of swing gates at houses, residential complexes and businesses. The 24 V models detect obstacles via a virtual encoder and stop or reverse.

Manufacturer	Ditec (ASSA ABLOY Entrance Systems)
Design	electromechanical surface-mounted operator for swing gates
Models	PWR25 (up to 2.5 m), PWR35 (up to 3.5 m), PWR50H, PWR50HV, PWR50HR (up to 5 m), PWR50AC (230 V, up to 5 m)
Motor	24 V DC, PWR50AC 230 V AC
Self-locking	self-locking; PWR50HR reversible
Obstacle detection	virtual encoder, stop or reverse
End positions	mechanical stops, magnetic limit switches optional (fitted on PWR50HV)
Release	manually by key, with PWR25/35 also as remote release
Emergency operation	Battery operation during power failure via the control unit

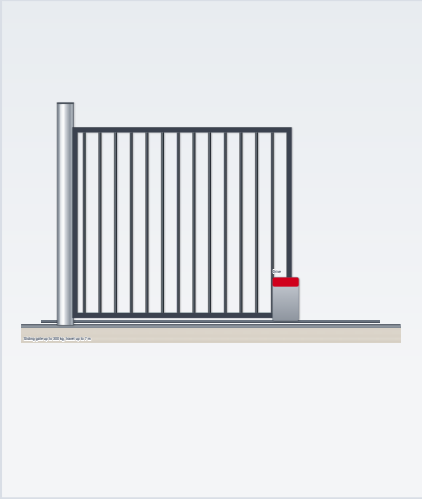
Installation

- Installation with pre-drilled plates and mounting template with spirit level (accessory PWRMI).
- Lubrication via a protected grease nipple, without dismantling the operator.
- More information at ditecautomations.com; we send brochures on request.

Order no.	Gate type
PWR25	Gate leaf up to 2.5 m, 24 V
PWR35	Gate leaf up to 3.5 m, 24 V
PWR50H	Gate leaf up to 5 m, 24 V, self-locking
PWR50HV	Gate leaf up to 5 m, 24 V, magnetic limit switches
PWR50HR	Gate leaf up to 5 m, 24 V, reversible
PWR50AC	Gate leaf up to 5 m, 230 V

Sliding gate operator Ditec NEOS Green

reinholdsmetall.de/torantriebe/ditec-neos-green



Sliding gate operator Ditec NEOS Green for gates up to 500, 800 or 1,000 kg, for residential, commercial and industrial use, even in frost.

For sliding gates in private, commercial and industrial settings, even with frequent use and harsh weather. A temperature sensor adjusts the power in cold, ice and snow.

Manufacturer	Ditec (ASSA ABLOY Entrance Systems)	**Design**	electromechanical sliding gate operator
Versions	for gates up to 500 kg, 800 kg or 1,000 kg	**Control unit**	integrated control unit CS12MG with display
Radio receiver	Dual frequency 433/868 MHz (RCB50E) as standard	**Temperature sensor**	adjusts the power in cold, ice and snow
Standby consumption	below 0.5 W	**Protection class**	IP24D
Housing	one-piece body in die-cast aluminium	**Commissioning**	self-learning in two steps, three preset configurations

Installation

- Racks CR4N4 (gates up to 500 kg) or CR4N6 (up to 800 kg).
- Batteries via accessory SBU, charging from mains or photovoltaics.

- More information at ditecautomations.com; we send brochures on request.

Design and dimensions on request · phone +49 89 850 20 25

DRIVES

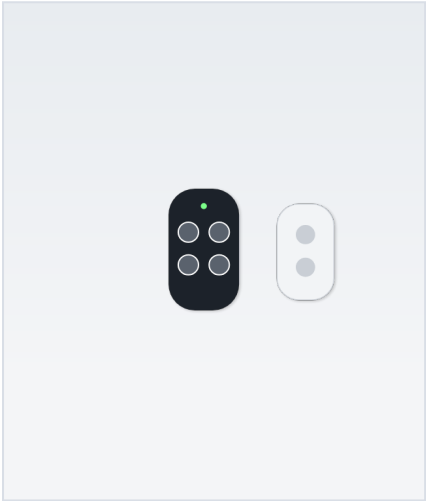
Accessories for barriers and gate operators

Ditec accessories: hand transmitter ZEN, transponder, radio code lock, key switch, induction loop detector, photocells and columns.

Automation systems are complemented with control, drive and safety devices that are compatible with all system components. The Xel, Lab, Lan and Teo series offer solutions for floor and wall fixing via support columns.

Hand transmitter Ditec ZEN

reinholdsmetall.de/antriebe-zubehoer/ditec-zen



Radio hand transmitter Ditec ZEN with 2 or 4 channels, rolling code and encrypted transmission.

For opening gates, barriers and garage doors with Ditec operators from the car or on foot.

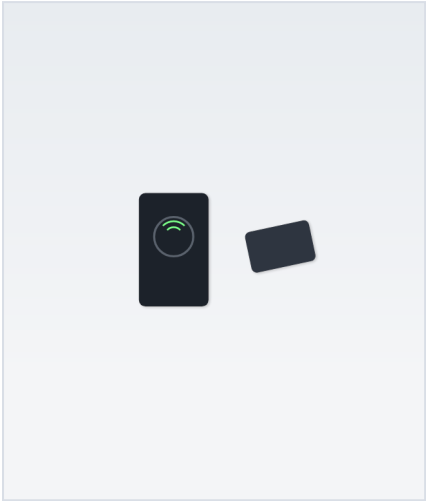
Manufacturer	Ditec
Channels	2 or 4 (ZEN2, ZEN4)
Frequency	433.92 MHz or 868.35 MHz
Coding	Ditec rolling code (over 4 billion combinations), fixed code or DIP switches
Protection	AES-128 encryption and protected mode against copying
Programming	Take over the code from the receiver or clone an existing transmitter
Compatibility	with existing Ditec receivers

Order no.	Typ
ZEN2	Hand transmitter 2 channels
ZEN4	Hand transmitter 4 channels

Accessories	
ZENSC	Holder clip for wall or car

Contactless control devices with transponder

reinholdsmetall.de/antriebe-zubehoer/ditec-tran…



Contactless access control with transponder technology for gates and barriers with Ditec operators.

For authorised users: hold the transponder to the reader and the gate or barrier opens. Suitable for residential complexes, underground garages and businesses.

Manufacturer	Ditec
Technology	contactless access control with transponder technology
Application	Gate and barrier operators by Ditec

- More information at ditecautomations.com.

Design and dimensions on request · phone +49 89 850 20 25

Digital radio code lock

reinholdsmetall.de/antriebe-zubehoer/ditec-funk…



Radio code keypad by Ditec with four separately adjustable number codes, no cable to the operator.

For opening gates and barriers by number code, e.g. for suppliers or staff without a hand transmitter.

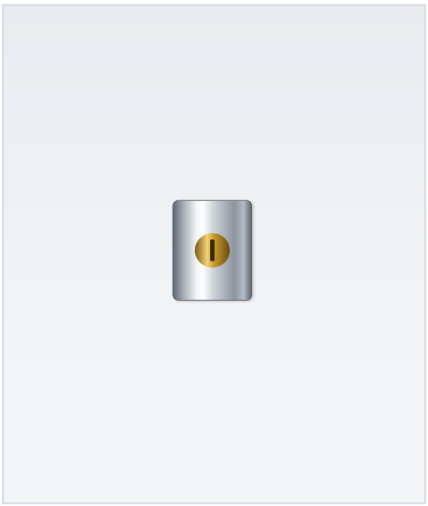
Manufacturer	Ditec
Design	wireless code keypad
Codes	four separately adjustable number codes

- More information at ditecautomations.com.

Design and dimensions on request · phone +49 89 850 20 25

Key switch

reinholdsmetall.de/antriebe-zubehoer/ditec-schl…



Burglar-resistant key switch by Ditec for opening and closing gates and barriers.

For operating a gate or barrier operator by key, e.g. at the entrance or in the building.

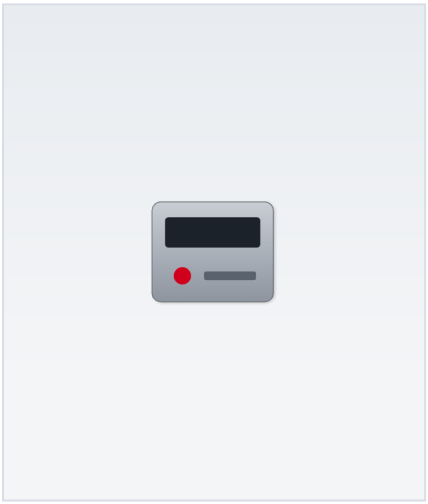
Manufacturer	Ditec
Design	Key selector switch, burglar-resistant

- More information at ditecautomations.com.

Design and dimensions on request · phone +49 89 850 20 25

Induction loop detector

reinholdsmetall.de/antriebe-zubehoer/ditec-indu…



Induction loop detector by Ditec: automatically opens gates, garages, industrial doors and barriers when a vehicle drives over the ground loop.

For car parks, underground garages, company premises and driveways. An induction loop laid in the ground detects the vehicle.

Manufacturer	Ditec
Function	automatically triggers the opening of gates, garages, industrial doors and barriers
Sensor	induction loop laid in the ground

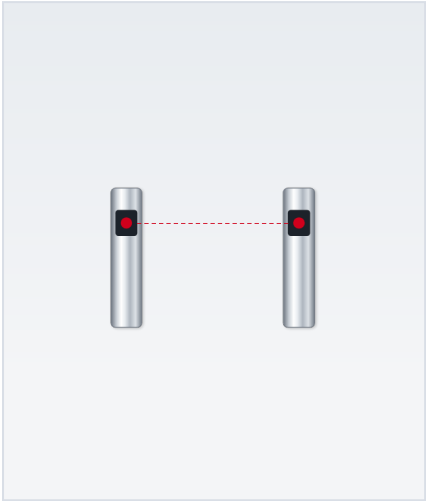
Installation

- The induction loop is cut into the road surface.
- More information at ditecautomations.com.

Design and dimensions on request · phone +49 89 850 20 25

Photocells and columns

reinholdsmetall.de/antriebe-zubehoer/ditec-lich…



Infrared photocells of the Ditec Xel and Lab series and matching columns of anodised aluminium.

Ensure the safe operation of automatic gates and barriers. Thanks to its small size, Lab 3 is suitable for confined spaces and narrow profiles and columns.

Manufacturer	DITEC
System	frequency-modulated infrared system
Compatibility	with the other DITEC accessories
Types for use in columns	Xel CA/CB, Xel 22C2/22C3, Lab 3C

Installation

- Can be installed in Xel or Lab columns for floor or wall fixing.
- Further information and accessories in our brochures, sent on request.

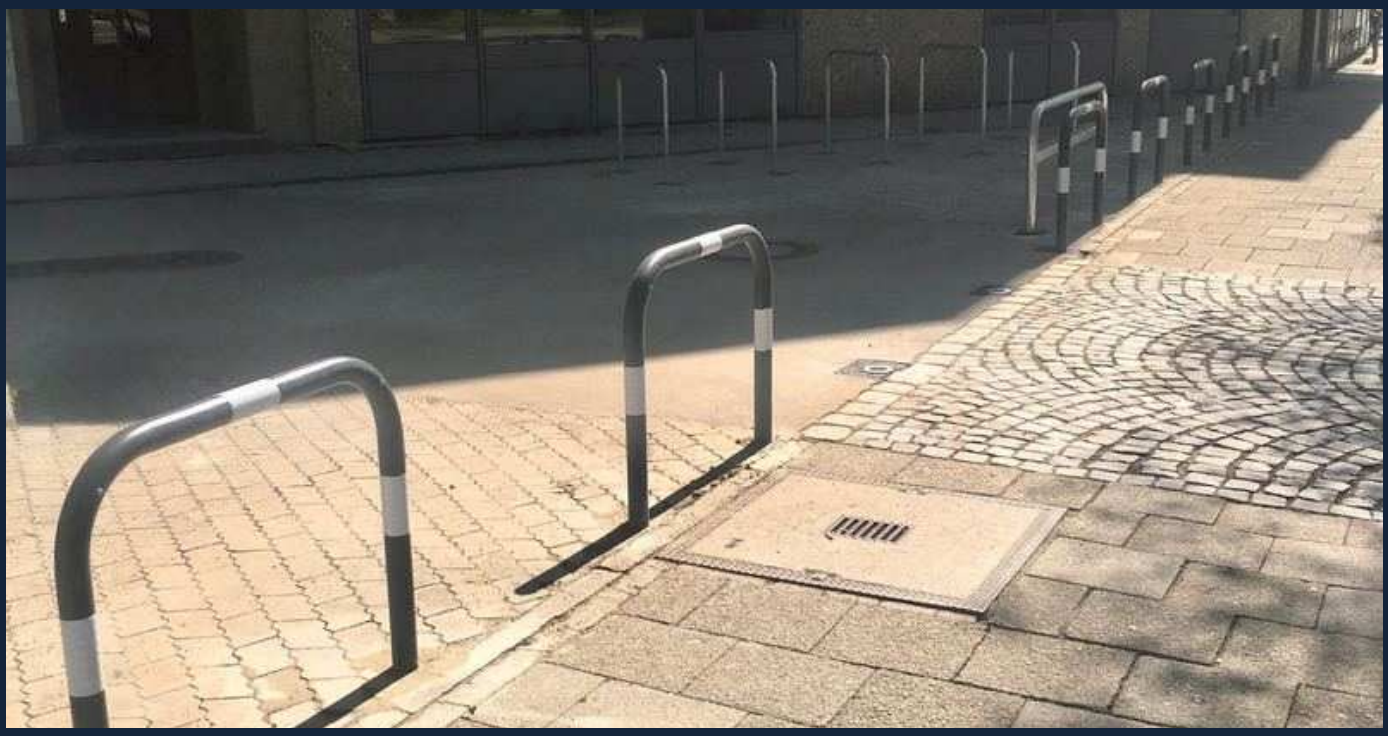
Accessories	
`Xel / Lab columns`	Support columns of anodised aluminium for floor or wall mounting

Design and dimensions on request · phone +49 89 850 20 25

C

Street furniture

For pavements, squares and residential complexes: bicycle racks and stands, scooter stands, boundary hoops, tree guards, sign posts and traffic signs.



Boundary hoops ?
Signs and sign posts ?
Bicycle racks ?
Bicycle stands ?
Scooter stands ?
Tree guards ?

BOUNDARIES AND PROTECTION

Boundary hoops

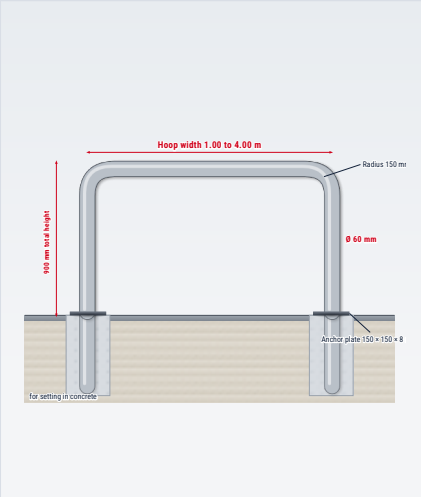
U-shaped boundary hoops of steel tube Ø 60 mm, also as tree protection hoops.

For bordering lawns or as tree protection hoops. Hoop widths from 1.00 m to 4.00 m, intermediate sizes and other heights possible.

Configure online
Drawing, order number and tender text (PDF, Word, GAEB D81)
reinholdsmetall.de/begrenzungsbuegel

Boundary hoop Ø 60 mm

reinholdsmetall.de/begrenzungsbuegel/begrenzung…





U-shaped boundary hoop of steel tube Ø 60 mm, corners with radius 150 mm, for setting in concrete or with anchor plates.

To protect lawns, flower beds and trees along paths, in car parks and in residential complexes.

Profile	Steel tube Ø 60 mm
Total height	900 mm
Shape	U-shaped, corners with radius 150 mm, without mitre and without welded bends
Anchor plate	150 × 150 × 8 mm with 4 holes (bolt-down version)
Material	Steel hot-dip galvanised to DIN EN ISO 1461

Installation

- For setting in concrete.
- All hoops also available with anchor plates 150 × 150 × 8 mm (4 holes) for bolting down.

Options

- Coating: additionally powder-coated in RAL / DB colours
- Intermediate sizes and other heights possible.

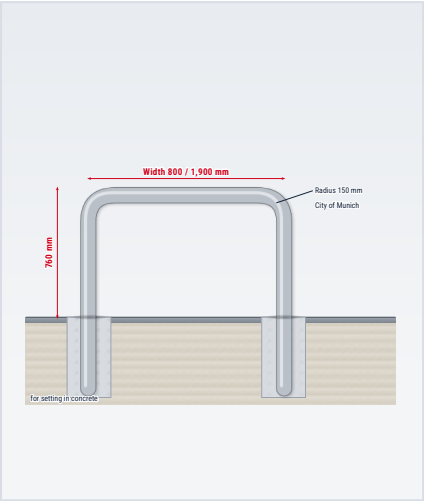
For all variants: **Ø 60 mm · fixed**

Installation	1,00 m	1,50 m	2,00 m	2,50 m	3,00 m	3,50 m	4,00 m
for setting in concrete	BB1	BB1,5	BB2	BB2,5	BB3	BB3,5	BB4
for bolting down	BB1 D	BB1,5 D	BB2 D	BB2,5 D	BB3 D	BB3,5 D	BB4 D

Order numbers by hoop width (columns). Matching accessories under accessories or on the product page. All combinations with drawing and tender text: reinholdsmetall.de/begrenzungsbuegel/begrenzungsbuegel-60

Boundary hoop LHM (City of Munich)

reinholdsmetall.de/begrenzungsbuegel/begrenzung…



Boundary hoop specifically for the City of Munich: 800 or 1,900 mm wide, total height 760 mm, for setting in concrete.

Made to the specifications of the City of Munich for public paths and green spaces.

Width	800 mm (BB 0,8 LHM) or 1,900 mm (BB 1,9 LHM)
Total height	760 mm
Installation	for setting in concrete
Shape	U-shaped
Material	Steel hot-dip galvanised to DIN EN ISO 1461

Installation

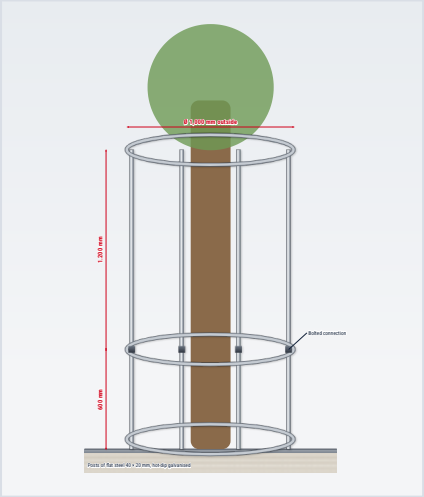
- For setting in concrete.

For all variants: **for setting in concrete · fixed**

Order no.	Hoop width
BB 0,8 LHM	0,80 m
BB 1,9 LHM	1,90 m

Trunk guard St. Emmeran

reinholdsmetall.de/begrenzungsbuegel/stammschut…





Four-part trunk guard, bolted, rings Ø 1,000 mm outside, hot-dip galvanised, powder coating optional.

Protects the trunks of young and old trees on streets, squares and in parks. The two-part elements can be fitted around the existing tree.

Construction	four-part, bolted
Bottom element	two-part: 4 posts of flat steel 40 × 20 mm, height approx. 600 mm, with welded-on flange plates, 2 two-part rings Ø 1,000 mm outside
Top element	two-part: 4 posts of flat steel 40 × 20 mm, height approx. 1,200 mm, with welded-on connecting plates, 1 two-part ring Ø 1,000 mm outside
Surface	hot-dip galvanised

Installation

- The elements are placed around the tree and bolted together.

Options

- Coating: additionally powder-coated in RAL / DB colours

For all variants: **Ø 1.00 m · bolted**

Order no.
BSBStEmmeran1000

SIGNS

Signs and sign posts

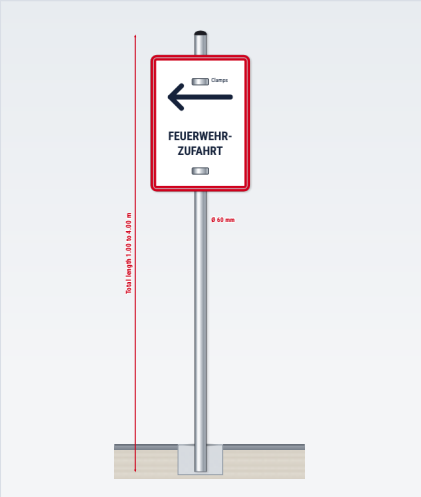
Sign posts of steel tube Ø 60 mm for setting in concrete, with matching clamps.

For safe and easy installation of signs, boards and the like. Hot-dip galvanised posts in total lengths from 1000 to 4000 mm.

Configure online
Drawing, order number and tender text (PDF, Word, GAEB D81)
reinholdsmetall.de/schilderpfosten

Sign post, round

reinholdsmetall.de/schilderpfosten/schilderpfos…





Sign posts in hot-dip galvanised steel or aluminium, Ø 48, 60 or 76 mm, 1 to 4 m long, for setting in concrete or removable with grey cast iron ground socket.

For traffic signs, fire brigade and information signs on roads, access routes and paths.

Profile	Round tube Ø 48, 60 or 76 mm
Material	Hot-dip galvanised steel or aluminium
Head	black plastic cap
Total length	1.000 / 1.500 / 2.000 / 2.500 / 3.000 / 3.500 / 4.000 mm
Removable	with additional grey cast iron ground socket

Installation

- Fixed, for setting in concrete.
- Removable, with grey cast iron ground socket set in concrete.
- Order number: Ø 48 or Ø 76 is appended, ALU follows the diameter.
- Optionally with V2A drive-in cap.

Sign post, round

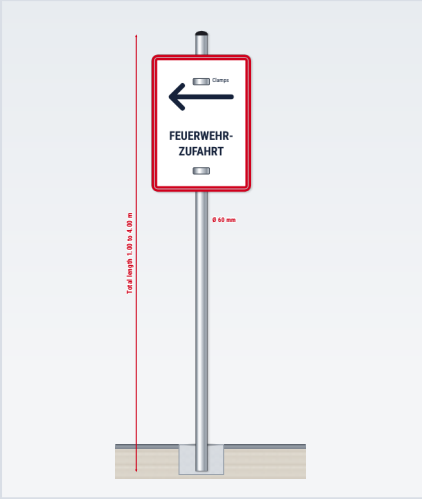
Diameter	Material	Installation	Fixing	1,00 m	1,50 m	2,00 m	2,50 m	3,00 m	3,50 m	4,00 m
Ø 60 mm	Steel, hot-dip galvanised	fixed	for setting in concrete	Schipfo 1	Schipfo 1,5	Schipfo 2	Schipfo 2,5	Schipfo 3	Schipfo 3,5	Schipfo 4
Ø 60 mm	Steel, hot-dip galvanised	removable	with grey cast iron ground socket	Schipfo H1	Schipfo H1,5	Schipfo H2	Schipfo H2,5	Schipfo H3	Schipfo H3,5	Schipfo H4
Ø 60 mm	Aluminium	fixed	for setting in concrete	Schipfo 1 ALU	Schipfo 1,5 ALU	Schipfo 2 ALU	Schipfo 2,5 ALU	Schipfo 3 ALU	Schipfo 3,5 ALU	Schipfo 4 ALU
Ø 60 mm	Aluminium	removable	with grey cast iron ground socket	Schipfo H1 ALU	Schipfo H1,5 ALU	Schipfo H2 ALU	Schipfo H2,5 ALU	Schipfo H3 ALU	Schipfo H3,5 ALU	Schipfo H4 ALU
Ø 48 mm	Steel, hot-dip galvanised	fixed	for setting in concrete	Schipfo 1 Ø48	Schipfo 1,5 Ø48	Schipfo 2 Ø48	Schipfo 2,5 Ø48	Schipfo 3 Ø48	Schipfo 3,5 Ø48	Schipfo 4 Ø48
Ø 48 mm	Steel, hot-dip galvanised	removable	with grey cast iron ground socket	Schipfo H1 Ø48	Schipfo H1,5 Ø48	Schipfo H2 Ø48	Schipfo H2,5 Ø48	Schipfo H3 Ø48	Schipfo H3,5 Ø48	Schipfo H4 Ø48
Ø 48 mm	Aluminium	fixed	for setting in concrete	Schipfo 1 Ø48 ALU	Schipfo 1,5 Ø48 ALU	Schipfo 2 Ø48 ALU	Schipfo 2,5 Ø48 ALU	Schipfo 3 Ø48 ALU	Schipfo 3,5 Ø48 ALU	Schipfo 4 Ø48 ALU
Ø 48 mm	Aluminium	removable	with grey cast iron ground socket	Schipfo H1 Ø48 ALU	Schipfo H1,5 Ø48 ALU	Schipfo H2 Ø48 ALU	Schipfo H2,5 Ø48 ALU	Schipfo H3 Ø48 ALU	Schipfo H3,5 Ø48 ALU	Schipfo H4 Ø48 ALU
Ø 76 mm	Steel, hot-dip galvanised	fixed	for setting in concrete	Schipfo 1 Ø76	Schipfo 1,5 Ø76	Schipfo 2 Ø76	Schipfo 2,5 Ø76	Schipfo 3 Ø76	Schipfo 3,5 Ø76	Schipfo 4 Ø76
Ø 76 mm	Steel, hot-dip galvanised	removable	with grey cast iron ground socket	Schipfo H1 Ø76	Schipfo H1,5 Ø76	Schipfo H2 Ø76	Schipfo H2,5 Ø76	Schipfo H3 Ø76	Schipfo H3,5 Ø76	Schipfo H4 Ø76
Ø 76 mm	Aluminium	fixed	for setting in concrete	Schipfo 1 Ø76 ALU	Schipfo 1,5 Ø76 ALU	Schipfo 2 Ø76 ALU	Schipfo 2,5 Ø76 ALU	Schipfo 3 Ø76 ALU	Schipfo 3,5 Ø76 ALU	Schipfo 4 Ø76 ALU
Ø 76 mm	Aluminium	removable	with grey cast iron ground socket	Schipfo H1 Ø76 ALU	Schipfo H1,5 Ø76 ALU	Schipfo H2 Ø76 ALU	Schipfo H2,5 Ø76 ALU	Schipfo H3 Ø76 ALU	Schipfo H3,5 Ø76 ALU	Schipfo H4 Ø76 ALU

Order numbers by total length (columns). Matching accessories under accessories or on the product page. All combinations with drawing and tender text: reinholdsmetall.de/schilderpfosten/schilderpfosten-60

Accessories	
Clamp	Clamp for fitting traffic signs, upper and lower part
BH grey cast iron	Grey cast iron ground socket (removable version)

Traffic signs

reinholdsmetall.de/schilderpfosten/verkehrsschi…





Traffic signs to the German traffic sign catalogue, sign “Fire brigade access” 594 × 210 mm always in stock, site plan signs from your template.

We supply traffic signs to the German traffic sign catalogue (VzKat). The sign “Fire brigade access” is always in stock. We make site plan signs from your PDF file.

Traffic signs	Supplied to the German traffic sign catalogue (VzKat)
Sign “Fire brigade access”	594 × 210 mm, 2 mm, reflection class RA1, always in stock
Site plan signs	from customer's PDF file
Reflection classes	RA1, RA2 or RA3
Fixing	with clamps on sign posts

Installation

- Fixed with clamps (upper and lower part) to the sign post.

Accessories	
`Clamp`	Clamp for fitting traffic signs, upper and lower part

Design and dimensions on request · phone +49 89 850 20 25

BICYCLE AND SCOOTER

Bicycle racks

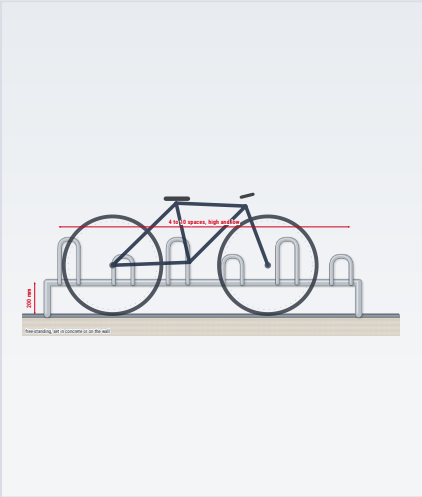
Bicycle rack ASA-Bikee with 90° parking, for setting in concrete, bolting down or wall mounting.

Bicycle racks organise bicycle parking at schools, company premises, public squares and private sites and prevent bikes being leaned against façades, shop windows and trees.

Configure online
Drawing, order number and tender text (PDF, Word, GAEB D81)
reinholdsmetall.de/fahrradstaender

Bicycle rack ASA-Bikee

reinholdsmetall.de/fahrradstaender/asa-bikee





Row bicycle rack with high and low spaces in 90° parking, for tyres up to 50 mm wide.

For schools and day-care centres, businesses, sports facilities, swimming pools, public squares and private sites. The 200 mm ground clearance makes cleaning easier.

Adjustment	90°, spaces offset high and low
Tyre width	up to 50 mm
Standard lengths	4 spaces 1,400 mm, 6 spaces 2,100 mm, 8 spaces 2,800 mm, 10 spaces 3,500 mm
Erection	single-sided or double-sided (twice as many spaces)
Installation	for setting in concrete, bolting down or wall mounting (single-sided only)
Ground clearance	200 mm
Surface	hot-dip galvanised

Installation

- For setting in concrete or bolting down.
- Wall mounting, single-sided only.
- For double-sided installation, two single-sided units are bolted back to back.
- Only suitable for tyre widths up to 50 mm; wider tyres do not fit the spaces.
- Other numbers of spaces on request.

Length	Erection	Spaces	for setting in concrete	for bolting down	Wall mounting
1,400 mm, 4 spaces per side	single-sided	4 spaces	ASA90-4 EB eins	ASA90-4 AD eins	ASA90-4 WM eins
1,400 mm, 4 spaces per side	double-sided	8 spaces	ASA90-4 EB beid	ASA90-4 AD beid	–
2,100 mm, 6 spaces per side	single-sided	6 spaces	ASA90-6 EB eins	ASA90-6 AD eins	ASA90-6 WM eins
2,100 mm, 6 spaces per side	double-sided	12 spaces	ASA90-6 EB beid	ASA90-6 AD beid	–
2,800 mm, 8 spaces per side	single-sided	8 spaces	ASA90-8 EB eins	ASA90-8 AD eins	ASA90-8 WM eins
2,800 mm, 8 spaces per side	double-sided	16 spaces	ASA90-8 EB beid	ASA90-8 AD beid	–
3,500 mm, 10 spaces per side	single-sided	10 spaces	ASA90-10 EB eins	ASA90-10 AD eins	ASA90-10 WM eins
3,500 mm, 10 spaces per side	double-sided	20 spaces	ASA90-10 EB beid	ASA90-10 AD beid	–

Order numbers by installation (columns). All combinations with drawing and tender text: reinholdsmetall.de/fahrradstaender/asa-bikee

BICYCLE AND SCOOTER

Bicycle stands

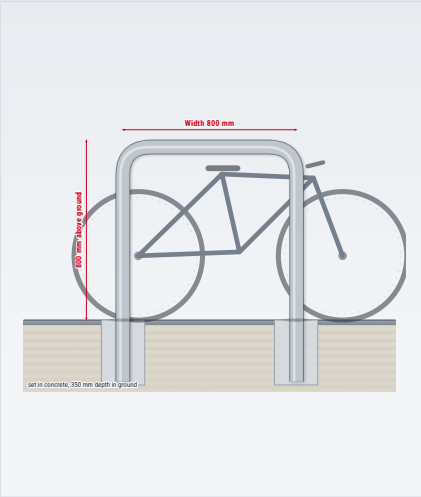
Bicycle stands of round tube, square and rectangular tube or flat steel, 600 to 1000 mm wide.

Bicycle stands stop bikes being leaned against walls, shop windows and fences and make it easy to lock them. They are available in round tube, square and rectangular tube or flat steel, hot-dip galvanised, coated or in stainless steel, for setting in concrete or bolting down.

Configure online
Drawing, order number and tender text (PDF, Word, GAEB D81)
reinholdsmetall.de/anlehnbuegel

Bicycle stand, round tube

reinholdsmetall.de/anlehnbuegel/anlehnbuegel-ru…





Bicycle stands of round tube Ø 42.4, 48.3 or 60.3 mm, bent or mitred and welded, 600 to 1000 mm wide.

The classic bicycle stand for pavements, squares and residential complexes. Bent, it looks soft and round; mitred and welded, clear and angular.

Profile	Round tube Ø 42.4, 48.3 or 60.3 mm
Corners	bent (radius 130 mm, 150 mm for Ø 60.3 mm) or mitred and welded
Height above ground	800 mm
Depth in ground (set in concrete)	350 mm
Widths	600, 800 or 1000 mm
Knee rail	optionally with or without knee rail (suffix H)
Anchor plate (for bolting down)	150 × 150 × 8 mm with 4 holes
Surface	hot-dip galvanised, galvanised and painted, galvanised and powder-coated or ground stainless steel

Installation

- For setting in concrete with 350 mm depth in ground or with anchor plate 150 × 150 × 8 mm (4 holes) for bolting down (suffix D).

Options

- Colour: paint or powder coating in a colour of your choice

- Recommended distance between two bicycle stands: at least 600 mm.
- We make special sizes and shapes on request.

Bicycle stand, round tube

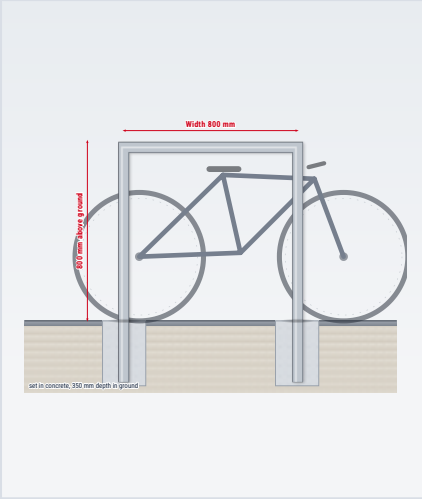
Width	Knee rail	Installation	Ø 42,4 mm		Ø 48,3 mm		Ø 60,3 mm	
			bent, radius 130 mm	mitred and welded	bent, radius 130 mm	mitred and welded	bent, radius 150 mm	mitred and welded
600 mm	without knee rail	for setting in concrete	AB 42B-06	AB 42G-06	AB 48B-06	AB 48G-06	AB 60B-06	AB 60G-06
600 mm	without knee rail	for bolting down	AB 42B-06D	AB 42G-06D	AB 48B-06D	AB 48G-06D	AB 60B-06D	AB 60G-06D
600 mm	with knee rail	for setting in concrete	AB 42B-06H	AB 42G-06H	AB 48B-06H	AB 48G-06H	AB 60B-06H	AB 60G-06H
600 mm	with knee rail	for bolting down	AB 42B-06HD	AB 42G-06HD	AB 48B-06HD	AB 48G-06HD	AB 60B-06HD	AB 60G-06HD
800 mm	without knee rail	for setting in concrete	AB 42B-08	AB 42G-08	AB 48B-08	AB 48G-08	AB 60B-08	AB 60G-08
800 mm	without knee rail	for bolting down	AB 42B-08D	AB 42G-08D	AB 48B-08D	AB 48G-08D	AB 60B-08D	AB 60G-08D
800 mm	with knee rail	for setting in concrete	AB 42B-08H	AB 42G-08H	AB 48B-08H	AB 48G-08H	AB 60B-08H	AB 60G-08H
800 mm	with knee rail	for bolting down	AB 42B-08HD	AB 42G-08HD	AB 48B-08HD	AB 48G-08HD	AB 60B-08HD	AB 60G-08HD
1000 mm	without knee rail	for setting in concrete	AB 42B-10	AB 42G-10	AB 48B-10	AB 48G-10	AB 60B-10	AB 60G-10
1000 mm	without knee rail	for bolting down	AB 42B-10D	AB 42G-10D	AB 48B-10D	AB 48G-10D	AB 60B-10D	AB 60G-10D
1000 mm	with knee rail	for setting in concrete	AB 42B-10H	AB 42G-10H	AB 48B-10H	AB 48G-10H	AB 60B-10H	AB 60G-10H
1000 mm	with knee rail	for bolting down	AB 42B-10HD	AB 42G-10HD	AB 48B-10HD	AB 48G-10HD	AB 60B-10HD	AB 60G-10HD

Order numbers by profile and corners (columns). All combinations with drawing and tender text: reinholdsmetall.de/anlehnbuegel/anlehnbuegel-rundrohr

FINISHES **a** hot-dip galvanised **d** hot-dip galvanised, painted in a colour of your choice **p** hot-dip galvanised, powder coating **e** Stainless steel, ground

Bicycle stand, square and rectangular tube

reinholdsmetall.de/anlehnbuegel/anlehnbuegel-vi…



Bicycle stands of square tube 40/40 or 60/60 mm or rectangular tube 60/40 mm, mitred corners, 600 to 1000 mm wide.

The bicycle stand with clear, architectural lines, matching modern buildings and square posts.

Profile	Square tube 40/40 or 60/60 mm, rectangular tube 60/40 mm
Corners	mitred and welded
Height above ground	800 mm
Depth in ground (set in concrete)	350 mm
Widths	600, 800 or 1000 mm
Knee rail	optionally with or without knee rail (suffix H)
Anchor plate (for bolting down)	150 × 150 × 8 mm with 4 holes
Surface	hot-dip galvanised, galvanised and painted, galvanised and powder-coated or ground stainless steel

Installation

- For setting in concrete with 350 mm depth in ground or with anchor plate 150 × 150 × 8 mm (4 holes) for bolting down (suffix D).

Options

- Colour: paint or powder coating in a colour of your choice
- Recommended distance between two bicycle stands: at least 600 mm.
- We make special sizes and shapes on request.

For all variants: **mitred and welded**

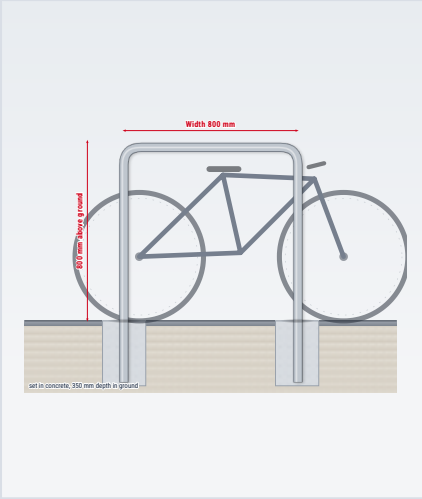
Width	Installation	Square tube 40/40 mm		Rectangular tube 60/40 mm		Square tube 60/60 mm	
		without knee rail	with knee rail	without knee rail	with knee rail	without knee rail	with knee rail
600 mm	for setting in concrete	AB Q40G-06	AB Q40G-06H	AB R64G-06	AB R64G-06H	AB Q60G-06	AB Q60G-06H
600 mm	for bolting down	AB Q40G-06D	AB Q40G-06HD	AB R64G-06D	AB R64G-06HD	AB Q60G-06D	AB Q60G-06HD
800 mm	for setting in concrete	AB Q40G-08	AB Q40G-08H	AB R64G-08	AB R64G-08H	AB Q60G-08	AB Q60G-08H
800 mm	for bolting down	AB Q40G-08D	AB Q40G-08HD	AB R64G-08D	AB R64G-08HD	AB Q60G-08D	AB Q60G-08HD
1000 mm	for setting in concrete	AB Q40G-10	AB Q40G-10H	AB R64G-10	AB R64G-10H	AB Q60G-10	AB Q60G-10H
1000 mm	for bolting down	AB Q40G-10D	AB Q40G-10HD	AB R64G-10D	AB R64G-10HD	AB Q60G-10D	AB Q60G-10HD

Order numbers by profile and knee rail (columns). All combinations with drawing and tender text: reinholdsmetall.de/anlehnbuegel/anlehnbuegel-vierkantrohr

FINISHES **a** hot-dip galvanised | **d** hot-dip galvanised, painted in a colour of your choice | **p** hot-dip galvanised, powder coating | **e** Stainless steel, ground

Bicycle stand, flat steel

reinholdsmetall.de/anlehnbuegel/anlehnbuegel-fl…





Bicycle stands of flat steel 60 × 10, 80 × 10 or 100 × 10 mm, corners bent or welded square, 600 to 1000 mm wide.

The flat bicycle stand with a modern look. Bent corners with radius approx. 80 mm look soft, square welded corners strict and clear.

Profile	Flat steel 60 × 10, 80 × 10 or 100 × 10 mm
Corners	bent (radius approx. 80 mm) or welded with square corners
Height above ground	800 mm
Depth in ground (set in concrete)	350 mm
Widths	600, 800 or 1000 mm
Knee rail	optionally with or without knee rail (suffix H)
Anchor plate (for bolting down)	150 × 150 × 8 mm with 4 holes
Surface	hot-dip galvanised, galvanised and painted, galvanised and powder-coated or ground stainless steel

Installation

- For setting in concrete with 350 mm depth in ground or with anchor plate 150 × 150 × 8 mm (4 holes) for bolting down (suffix D).

Options

- Colour: paint or powder coating in a colour of your choice
- Recommended distance between two bicycle stands: at least 600 mm.
- We make special sizes and shapes on request.

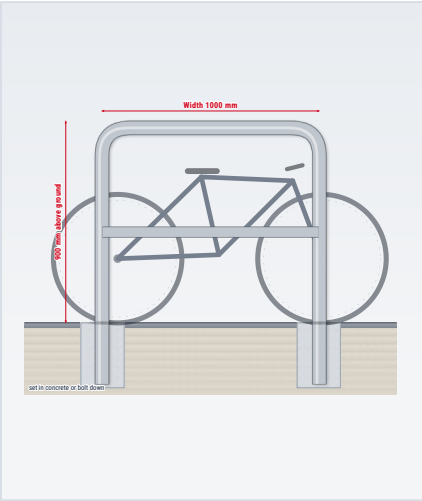
Width	Knee rail	Installation	Flat steel 60 × 10 mm		Flat steel 80 × 10 mm		Flat steel 100 × 10 mm	
			bent, radius approx. 80 mm	welded with square corners	bent, radius approx. 80 mm	welded with square corners	bent, radius approx. 80 mm	welded with square corners
600 mm	without knee rail	for setting in concrete	AB Fl60B-06	AB Fl60K-06	AB Fl80B-06	AB Fl80K-06	AB Fl100B-06	AB Fl100K-06
600 mm	without knee rail	for bolting down	AB Fl60B-06D	AB Fl60K-06D	AB Fl80B-06D	AB Fl80K-06D	AB Fl100B-06D	AB Fl100K-06D
600 mm	with knee rail	for setting in concrete	AB Fl60B-06H	AB Fl60K-06H	AB Fl80B-06H	AB Fl80K-06H	AB Fl100B-06H	AB Fl100K-06H
600 mm	with knee rail	for bolting down	AB Fl60B-06HD	AB Fl60K-06HD	AB Fl80B-06HD	AB Fl80K-06HD	AB Fl100B-06HD	AB Fl100K-06HD
800 mm	without knee rail	for setting in concrete	AB Fl60B-08	AB Fl60K-08	AB Fl80B-08	AB Fl80K-08	AB Fl100B-08	AB Fl100K-08
800 mm	without knee rail	for bolting down	AB Fl60B-08D	AB Fl60K-08D	AB Fl80B-08D	AB Fl80K-08D	AB Fl100B-08D	AB Fl100K-08D
800 mm	with knee rail	for setting in concrete	AB Fl60B-08H	AB Fl60K-08H	AB Fl80B-08H	AB Fl80K-08H	AB Fl100B-08H	AB Fl100K-08H
800 mm	with knee rail	for bolting down	AB Fl60B-08HD	AB Fl60K-08HD	AB Fl80B-08HD	AB Fl80K-08HD	AB Fl100B-08HD	AB Fl100K-08HD
1000 mm	without knee rail	for setting in concrete	AB Fl60B-10	AB Fl60K-10	AB Fl80B-10	AB Fl80K-10	AB Fl100B-10	AB Fl100K-10
1000 mm	without knee rail	for bolting down	AB Fl60B-10D	AB Fl60K-10D	AB Fl80B-10D	AB Fl80K-10D	AB Fl100B-10D	AB Fl100K-10D
1000 mm	with knee rail	for setting in concrete	AB Fl60B-10H	AB Fl60K-10H	AB Fl80B-10H	AB Fl80K-10H	AB Fl100B-10H	AB Fl100K-10H
1000 mm	with knee rail	for bolting down	AB Fl60B-10HD	AB Fl60K-10HD	AB Fl80B-10HD	AB Fl80K-10HD	AB Fl100B-10HD	AB Fl100K-10HD

Order numbers by profile and corners (columns). All combinations with drawing and tender text: reinholdsmetall.de/anlehnbuegel/anlehnbuegel-flachstahl

FINISHES **a** hot-dip galvanised | **d** hot-dip galvanised, painted in a colour of your choice | **p** hot-dip galvanised, powder coating | **e** Stainless steel, ground

Bicycle stand AB 60/42

reinholdsmetall.de/anlehnbuegel/anlehnbuegel-ab…





Bicycle stand of steel tube Ø 60 mm with cross and knee rail of steel tube Ø 42 mm.

For safely leaning and locking bicycles. Standpipes with steel end cap or steel hemisphere, for setting in concrete or with base plate for bolting down.

Standpipes	Steel tube Ø 60 mm
Cross and knee rail	Steel tube Ø 42 mm
Total height	1.200 mm
Height above ground	900 mm
Width	1.000 mm
Base plate (bolt-down version)	150 × 150 mm
Surface	hot-dip galvanised, colour on request

Installation

- Set standpipes in concrete or bolt down with base plate 150 × 150 mm.

Options

- Material: hot-dip galvanised steel or stainless steel
- Colour: paint or powder coating
- Recommended distance between two bicycle stands: at least 600 mm.

For all variants: **Ø 60 mm / Ø 42 mm**

Order no.	Installation	Head
AB 60/42	for setting in concrete	Steel end cap
AB 60/42D	for bolting down	Steel end cap
AB 60/42HKu	for setting in concrete	Steel hemisphere
AB 60/42HKuD	for bolting down	Steel hemisphere

BICYCLE AND SCOOTER

Scooter stands

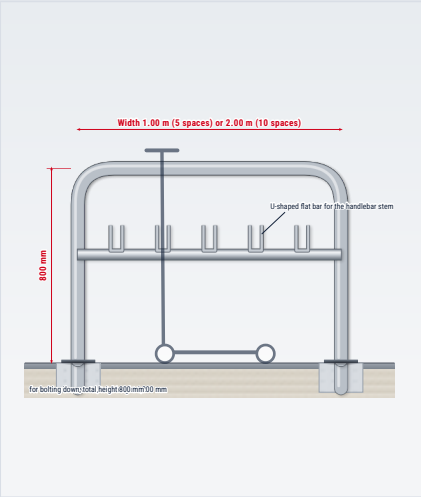
Scooter stands for children's scooters and scooter parker “Scopa” for e-scooters, each with configurator.

Scooter stands for nurseries, schools and playgrounds and the scooter parker “Scopa” for e-scooters, each for setting in concrete or bolting down. Colours to customer wishes.

Configure online
Drawing, order number and tender text (PDF, Word, GAEB D81)
reinholdsmetall.de/scooterstaender

Scooter stand for children's scooters

reinholdsmetall.de/scooterstaender/scooterstaen…





Robust scooter stand for nurseries, schools and playgrounds: 5 spaces over 1 m or 10 spaces over 2 m, single- or double-sided.

For nurseries, schools and playgrounds. The scooters are held at the sides by two U-shaped flat bars and secured with a swivelling hoop.

Parking spaces	5 at 1.00 m total width, 10 at 2.00 m; twice as many when double-sided
Total height	1,200 mm for setting in concrete, 800 mm for bolting down
Removable	with ground socket
Support rail	sturdy rectangular tube
Posts	bent round tube
Fixing	at the sides by two U-shaped flat bars
Locking device	swivelling hoop, lockable with padlock
Surface	hot-dip galvanised, optionally also powder-coated in the same standard colours as the posts

Installation

- For setting in concrete (total height 1,200 mm) or bolting down (total height 800 mm).
- Removable version with ground socket available.
- Robust design for children's scooters.
- Special lengths possible.

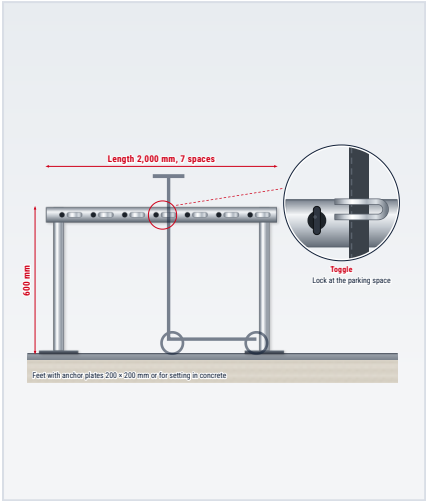
Width	Erection	Spaces	for setting in concrete (total height 1,200 mm)	for bolting down (total height 800 mm)	removable with ground socket
1,00 m	single-sided	5 spaces	Scooter1 EB eins	Scooter1 AD eins	Scooter1 BH eins
1,00 m	double-sided	10 spaces	Scooter1 EB beid	Scooter1 AD beid	Scooter1 BH beid
2,00 m	single-sided	10 spaces	Scooter2 EB eins	Scooter2 AD eins	Scooter2 BH eins
2,00 m	double-sided	20 spaces	Scooter2 EB beid	Scooter2 AD beid	Scooter2 BH beid

Order numbers by installation (columns). All combinations with drawing and tender text: reinholdsmetall.de/scooterstaender/scooterstaender

FINISHES **a** hot-dip galvanised **p** hot-dip galvanised and powder-coated

Scooter parker “Scopa” for e-scooters

reinholdsmetall.de/scooterstaender/scooterparke…



Scooter parker “Scopa” for e-scooters: 7 spaces over 2 m, for setting in concrete or bolting down, with various locks.

For e-scooters at stations, residential complexes, businesses and public squares. Each space has a swivelling stainless steel locking bolt; the scooters are held by a guide plate.

Parking spaces	7
Length	2.000 mm
Height	600 mm
Feet	Rectangular tube 60 × 40 mm, for bolting down with welded-on anchor plates 200 × 200 mm
Support profile	80 × 50 mm to hold the space brackets
Locking bolt	swivelling per space, made of corrosion-resistant stainless steel
Fixing	Guide plate with bonded neoprene strips
Material	Steel S235 JR, hot-dip galvanised
Colour	powder-coated in RAL / DB colours on request

Installation

- For setting in concrete or bolting down (suffix D in the order number).
- Locks: toggle (DK), lockable toggle (DKA), profile cylinder self-locking (PHZ) or manually locking (PHZm), round cylinder (RZ), padlock (VH).

For all variants: **2.00 m · single-sided · 7 spaces**

Installation	Toggle	Lockable toggle	Profile cylinder, self-locking	Profile cylinder, manually locking	Round cylinder	Padlock
for setting in concrete	Scopa7DK	Scopa7DKA	Scopa7PHZ	Scopa7PHZm	Scopa7RZ	Scopa7VH
for bolting down	Scopa7DKD	Scopa7DKAD	Scopa7PHZD	Scopa7PHZmD	Scopa7RZD	Scopa7VHD

Order numbers by lock (columns). All combinations with drawing and tender text: reinholdsmetall.de/scooterstaender/scooterparker-scopa

Accessories	
Scopa PHZ	Profile half cylinder Scopa

STREET FURNITURE

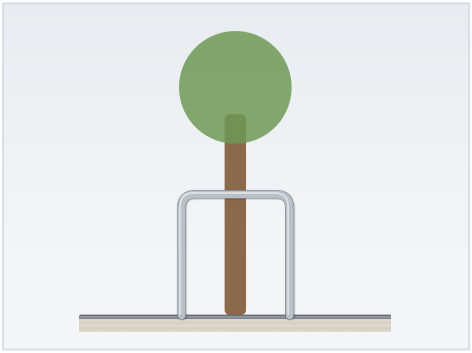
Services and custom work

We manufacture, install and maintain to your dimensions. Prices after measurement, please contact us.

Tree guards

reinholdsmetall.de/baumschutzringe





Tree guards in round or square shape to the architect's specifications.

Tree guards are made to the architect's wishes, round or square, from profile tubes or flat steel.

- Made to the architect's specifications
- Round or square
- Wide range of materials
- Series product: trunk guard St. Emmeran, Ø 1,000 mm, four-part

MATERIAL AND SURFACE | Profile tubes | Flat steel

Quotation on request · +49 89 850 20 25 · info@reinholdsmetall.de

D

For property managers

For property managers and residential complexes: certified inspection and maintenance of fire doors, hold-open systems, electric barriers and gate operators, repairs around entrance doors, plus gratings, handrails and railings, bicycle and bin shelters and clothes drying frames.



Clothes drying frames and posts ?

Gratings and frames ?

Railings and handrails ?

Bicycle and bin shelters, canopies ?

Fire doors: replacement and self-closing ?

Inspection and maintenance of fire doors ?

Inspection and maintenance of electric barriers and gate operators ?

Repairs to entrance doors ?

FOR RESIDENTIAL COMPLEXES

Clothes drying frames and posts

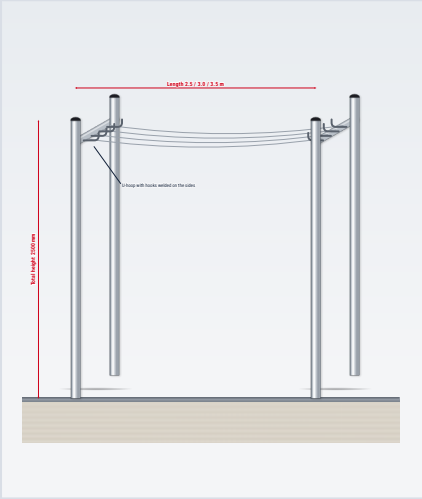
Hot-dip galvanised clothes drying frames and posts of steel tube Ø 60 mm.

Sturdy construction for drying areas, can be placed in a row and extended with double-sided hooks. Plus clothes posts with welded-on clothes line hooks.

Configure online
Drawing, order number and tender text (PDF, Word, GAEB D81)
reinholdsmetall.de/waeschegerueste

Clothes drying frame Ø 60 mm

reinholdsmetall.de/waeschegerueste/waeschegerue…



Hot-dip galvanised clothes drying frame of steel tube Ø 60 mm with clothes line hooks on one or both sides.

Sturdy construction for drying areas, can be placed in a row and extended with double-sided hooks.

Profile	Steel tube Ø 60 mm
Total height	2500 mm
Construction	two posts and one cross rail, plugged together and bolted
Hooks	clothes line hooks on one or both sides
Finish	hot-dip galvanised

Installation

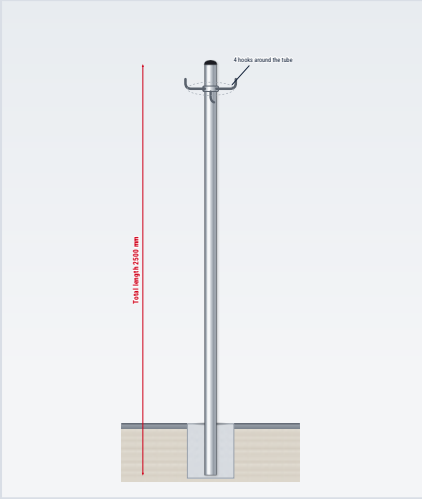
- For setting in concrete.
- Posts and cross rail are plugged together and bolted.
- Other lengths possible.

For all variants: **Ø 60 mm**

Order no.	Hook arrangement	Length	Quantity
WaeGe2,5/1	Hooks on one side	2,5 m	5 hooks
WaeGe2,5/2	Hooks on both sides	2,5 m	5 hooks
WaeGe3/1	Hooks on one side	3,0 m	6 hooks
WaeGe3/2	Hooks on both sides	3,0 m	6 hooks
WaeGe3,5/1	Hooks on one side	3,5 m	7 hooks
WaeGe3,5/2	Hooks on both sides	3,5 m	7 hooks

Clothes post Ø 60 mm

reinholdsmetall.de/waeschegerueste/waeschestang…



Hot-dip galvanised clothes post Ø 60 mm with 4 welded-on clothes line hooks, for setting in concrete.

Single post for drying areas with 4 welded-on clothes line hooks, finished with a plastic cap or welded steel cap.

Profile	Steel tube Ø 60 mm
Total length	2500 mm
Hooks	4 welded-on clothes line hooks
Head	Plastic cap or welded steel cap
Finish	hot-dip galvanised

Installation

- For setting in concrete.
- Also available with more hooks.

For all variants: **Clothes post · Ø 60 mm · fixed · for setting in concrete**

Order no.	Head design
WaeSt60PK	Plastic cap
WaeSt60SK	Steel cap

FOR RESIDENTIAL COMPLEXES

Gratings and frames

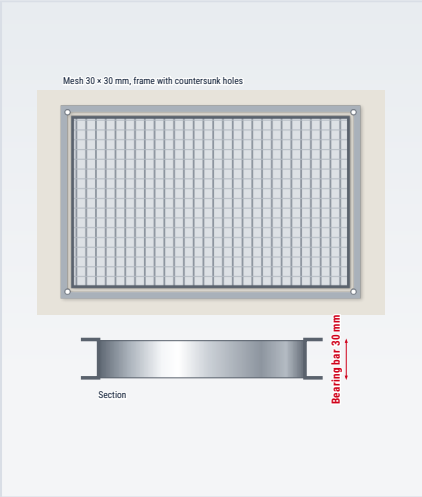
Made-to-measure gratings, mesh 30 × 30 or 30 × 10 mm, with matching frame for bolting down or setting in concrete.

Gratings for light wells, entrances, basement stairs and covers, made to measure. Choose mesh, bearing bar height, slip-resistant profiling, frame and material, and state the size in your enquiry.

Configure online
Drawing, order number and tender text (PDF, Word, GAEB D81)
reinholdsmetall.de/gitterroste-zargen

Made-to-measure grating

reinholdsmetall.de/gitterroste-zargen/gitterros…



Made-to-measure pressed grating, mesh 30 × 30 or 30 × 10 mm, bearing bar height 20 to 45 mm, slip-resistant and with frame on request.

For light wells, entrances, basement stairs and covers in residential complexes and at home. Made to your dimensions, on-site measurement is possible.

Design	Pressed grating
Mesh	30 × 30 mm or 30 × 10 mm
Bearing bar height	20, 30, 35, 40 or 45 mm
Slip resistance	slip-resistant profiling on request
Frame	for bolting down with countersunk holes in the horizontal leg or with welded-on lugs for setting in concrete
Maß	to customer dimensions; with frame, the dimension is the outer frame size, the grating is approx. 10 mm smaller
Material	Hot-dip galvanised steel, pickled stainless steel or electropolished stainless steel

Installation

- Frame with countersunk holes in the horizontal leg for bolting down or with welded-on lugs for setting in concrete. The grating is laid loosely in the frame.

Options

- Cut-outs: straight or round, on request
- Multi-part: for large sizes on request
- Please state length, width and quantity in your enquiry. With frame, this means the outer frame size.
- We match the bearing bar thickness to the load, for example walkable or drivable.
- On-site measurement is possible.

Made-to-measure grating

Bearing bar height	Surface	30 × 30 mm			30 × 10 mm		
		without frame	Frame for bolting down (countersunk holes)	Frame with lugs for setting in concrete	without frame	Frame for bolting down (countersunk holes)	Frame with lugs for setting in concrete
20 mm	without profiling	GR 3030-20	GR 3030-20-ZD	GR 3030-20-ZP	GR 3010-20	GR 3010-20-ZD	GR 3010-20-ZP
20 mm	profiled, slip-resistant	GR 3030-20R	GR 3030-20R-ZD	GR 3030-20R-ZP	GR 3010-20R	GR 3010-20R-ZD	GR 3010-20R-ZP
30 mm	without profiling	GR 3030-30	GR 3030-30-ZD	GR 3030-30-ZP	GR 3010-30	GR 3010-30-ZD	GR 3010-30-ZP
30 mm	profiled, slip-resistant	GR 3030-30R	GR 3030-30R-ZD	GR 3030-30R-ZP	GR 3010-30R	GR 3010-30R-ZD	GR 3010-30R-ZP
35 mm	without profiling	GR 3030-35	GR 3030-35-ZD	GR 3030-35-ZP	GR 3010-35	GR 3010-35-ZD	GR 3010-35-ZP
35 mm	profiled, slip-resistant	GR 3030-35R	GR 3030-35R-ZD	GR 3030-35R-ZP	GR 3010-35R	GR 3010-35R-ZD	GR 3010-35R-ZP
40 mm	without profiling	GR 3030-40	GR 3030-40-ZD	GR 3030-40-ZP	GR 3010-40	GR 3010-40-ZD	GR 3010-40-ZP
40 mm	profiled, slip-resistant	GR 3030-40R	GR 3030-40R-ZD	GR 3030-40R-ZP	GR 3010-40R	GR 3010-40R-ZD	GR 3010-40R-ZP
45 mm	without profiling	GR 3030-45	GR 3030-45-ZD	GR 3030-45-ZP	GR 3010-45	GR 3010-45-ZD	GR 3010-45-ZP
45 mm	profiled, slip-resistant	GR 3030-45R	GR 3030-45R-ZD	GR 3030-45R-ZP	GR 3010-45R	GR 3010-45R-ZD	GR 3010-45R-ZP

Order numbers by mesh and frame (columns). All combinations with drawing and tender text: reinholdsmetall.de/gitterroste-zargen/gitterrost-nach-mass

FINISHES **a** Steel, hot-dip galvanised | **eg** Stainless steel, pickled | **ep** Stainless steel, electropolished

FOR PROPERTY MANAGERS

Services and custom work

We manufacture, install and maintain to your dimensions. Prices after measurement, please contact us.

Railings and handrails

reinholdsmetall.de/gelaender-handlaeufe





Manufacture and installation of railings and handrails in steel or stainless steel.

Outdoor railings are particularly suitable for paths and embankments, with various types of infill. Handrails are made and fixed to suit the installation situation.

- Fixing by setting in concrete or bolting down
- Various infill types possible
- Quotation on request

MATERIAL AND SURFACE Steel | Stainless steel | hot-dip galvanised | powder-coated | painted

- We are not certified to DIN EN 1090.

Quotation on request · +49 89 850 20 25 · info@reinholdsmetall.de

Bicycle and bin shelters, canopies

reinholdsmetall.de/fahrrad-muelltonnenhaeuser





Canopies and enclosures for bins and bicycles, matched to the space available.

Canopies for bin boxes and bicycles are made to suit the space available, with or without side walls. Installation in the Greater Munich area is included.

- Made to suit the space available
- With or without side walls
- Module sizes 4/6/8 boxes facing each other
- Roofing of Wellacryl XT sheets
- Fixing by bolting down
- Passage width max. 1900 mm
- Installation included in the Greater Munich area

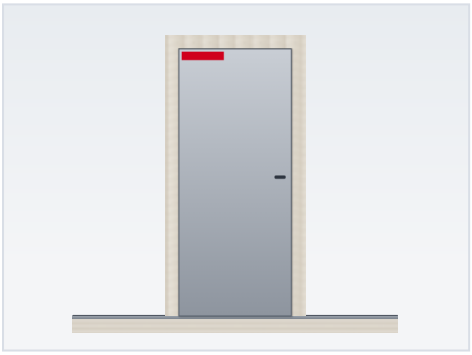
MATERIAL AND SURFACE | Substructure hot-dip galvanised steel | Colours to RAL / DB colours | Wellacryl XT

- We are not certified to DIN EN 1090.

Quotation on request · +49 89 850 20 25 · info@reinholdsmetall.de

Fire doors: replacement and self-closing

reinholdsmetall.de/brandschutztueren



Removal and installation of approved fire doors and restoration of self-closing.

A fire door must be replaced if it has lost its approval, and installation must be carried out professionally. If only the missing self-closing function is criticised, it can often be restored without replacing the door.

- Removal and installation of approved Hörmann doors
- Installation of approved Dorma overhead door closers (TS 83)
- Replacement of faulty overhead door closers
- Readjusting the spring hinges
- Correcting the door position
- Aligning the door hinges
- Replacement of locks and handles where possible
- Reasons for loss of approval: removed or non-functional door components, broken welds, torn-out hinges, rusted-through steel doors.

Quotation on request · +49 89 850 20 25 · info@reinholdsmetall.de

Inspection and maintenance of fire doors

reinholdsmetall.de/brandschutztueren-pruefung



Certified inspection and maintenance of fire doors and gates as well as hold-open systems.

Inspections are always carried out to DIBt or DIN 14677 and the manufacturer's maintenance instructions, so that doors can be repaired in compliance with their approval wherever possible.

- Inspection of closures with & without hold-open systems
- Inspection and maintenance of hinges, locks and locking system
- General visual inspection and labelling
- Function check and maintenance work
- Summary report on all inspected doors
- Sample maintenance contract as PDF

- Legal basis (Germany): Art. 15 BayBO (fire protection), § 14 MBO, § 4 (1), (3) ArbStättV, § 2 (4) SPrüfV, manufacturers' maintenance and safety inspection.
- If maintenance is neglected: owner's liability towards third parties, exclusion of warranty (cf. DIN 4102 part 18, no. 1.2), possible measures by the building authority up to a ban on use, possible release of the fire insurer from liability (§ 7 no. 1.a AFB 87).

Quotation on request · +49 89 850 20 25 · info@reinholdsmetall.de

Inspection and maintenance of electric barriers and gate operators

reinholdsmetall.de/wartung-e-antriebe



Certified inspection and maintenance of electric barriers and gate operators according to ASR A1.7.

Barrier and gate systems are inspected, maintained and documented in the inspection log according to ASR A1.7. Sample maintenance contracts for gate operators and electric barriers are available as PDF.

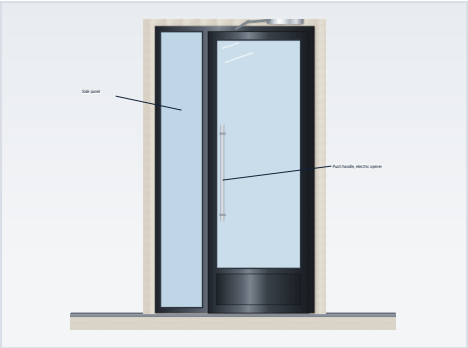
- Inspection of the barrier or gate system according to ASR A1.7
- Maintenance of the system
- Check of all parameters
- Cleaning, oiling and lubricating the moving parts
- Inspection of the safety devices according to regulations
- Entry in the inspection log with inspection sticker
- Adjusting the boom stops

- Basis (Germany): duty to maintain safety (Art. 14 GG; §§ 823, 836 BGB), § 3/3a ArbStättV, § 5 ArbSchG, ASR A1.7, manufacturers' maintenance and safety instructions.
- If maintenance is neglected: unlimited liability of the owner towards third parties for breach of the duty to maintain safety, breach of the owner's/landlord's duty to inspect and monitor, violation of the German Workplace Ordinance.

Quotation on request · +49 89 850 20 25 · info@reinholdsmetall.de

Repairs to entrance doors

reinholdsmetall.de/reparatur-hauseingangstueren



Everything around entrance doors: replacing electric openers, adjusting hinges, fixing rubbing doors, installing, replacing and adjusting overhead door closers.

Entrance doors in residential complexes are heavily used every day. Reinhold-Stahl-Metallbau GmbH replaces faulty electric openers, adjusts hinges, fixes rubbing doors and installs, replaces and adjusts overhead door closers.

- Replacement of electric door openers
- Adjusting hinges
- Fixing doors that rub on the floor or frame
- Installing, replacing and adjusting overhead door closers
- Disabling floor door closers

MATERIAL AND SURFACE | Steel | Stainless steel | Aluminium

- For property managers, owners' associations and businesses in the Munich and Starnberg area.

Quotation on request · +49 89 850 20 25 · info@reinholdsmetall.de

E

Private & custom work

From our own metal workshop, made to measure: handrails and railings, grilles and French balconies, gates and fences, gratings and custom work.



Railings for house and garden ?

Handrails for house and garden ?

Window and door grilles, French balconies ?

Gates and fences ?

Pole-erecting forks ?

Custom work and repairs ?

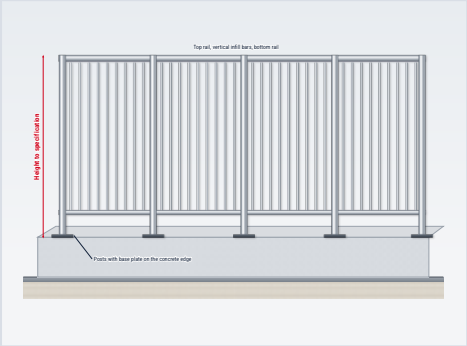
PRIVATE & CUSTOM WORK

Services and custom work

We manufacture, install and maintain to your dimensions. Prices after measurement, please contact us.

Railings for house and garden

reinholdsmetall.de/gelaender-privat



Railings for stairs, terraces, balconies and paths around the house, in steel or stainless steel, made to measure.

A railing secures stairs, landings, terraces and embankments around the house and shapes its appearance. Made to measure in our own workshop in Gauting.

- Stair and landing railings, terrace and balcony railings
- Infill with vertical bars, cross bars or decorative elements
- Fixing by setting in concrete, bolting down or laterally on the face
- Matching handrail in steel or stainless steel on request
- Measurement, manufacture and installation from a single source

MATERIAL AND SURFACE Steel, hot-dip galvanised | Steel powder-coated in RAL / DB colours | Steel, painted | Stainless steel, brushed | Stainless steel, glass-bead blasted

- We are not certified to DIN EN 1090.

Quotation on request · +49 89 850 20 25 · info@reinholdsmetall.de

Handrails for house and garden

reinholdsmetall.de/handlaeufe-privat





Handrails for stairs, entrances and paths around the house, in steel or stainless steel, matched to the situation and your wishes.

Handrails provide support and safety; what matters is a sturdy design and suitable fixing. The surface can be finished depending on the material.

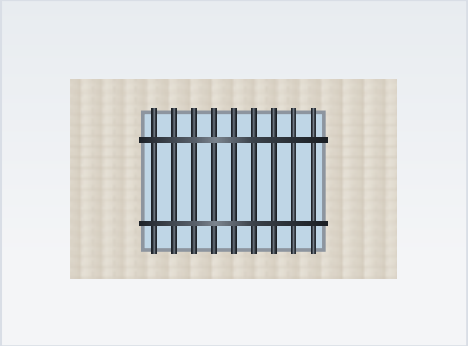
- Fixing with up-to-date fixing technology
- Stainless steel handrails available glass-bead blasted
- Steel handrails powder-coated in RAL / DB colours of your choice

MATERIAL AND SURFACE Steel, hot-dip galvanised | Steel, powder-coated | Stainless steel, brushed | Stainless steel, glass-bead blasted

Quotation on request · +49 89 850 20 25 · info@reinholdsmetall.de

Window and door grilles, French balconies

reinholdsmetall.de/gitter-franzoesische-balkone



Window and door grilles and French balconies in individual designs.

Grilles make break-ins at easily accessible windows and doors more difficult. The design is freely selectable and matched to security and stability.

- Window grilles
- Door grille
- French balconies
- Individual design
- Fixing matched to the masonry

MATERIAL AND SURFACE Steel

- The police recommend a bar thickness of at least 18 mm, welded contact points and more than 4 fixings.
- The thicker the material, the greater the protection; an RC2-tested grille resists a break-in attempt with screwdriver and wedges.

Quotation on request · +49 89 850 20 25 · info@reinholdsmetall.de

Gates and fences

reinholdsmetall.de/tore-zaeune



Gate and fence systems as enclosures to customer specifications.

Enclosures keep out unauthorised persons and mark the property boundary. Gates are made to specification, also motorised, with garden gate or integrated letterbox.

- Sliding gates
- Swing gates and doors
- Garden fences
- Optionally motorised
- With garden gate and/or integrated letterbox

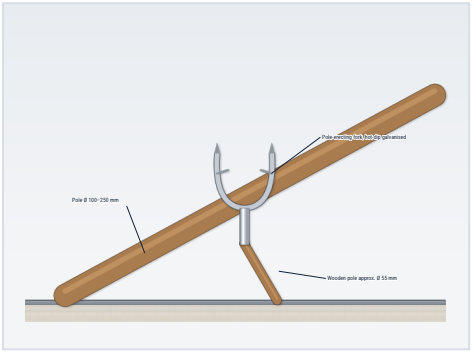
- Electric operators for swing and sliding gates: see gate operators.

Quotation on request · +49 89 850 20 25 · info@reinholdsmetall.de

Pole-erecting forks

reinholdsmetall.de/maststellgabeln





Pole-erecting forks for erecting maypoles and wooden poles, for poles Ø 100–250 mm.

The pole-erecting fork is fitted onto a wooden pole approx. Ø 55 mm, allowing maypoles and wooden lighting and lamp posts to be erected safely. It is suitable for poles Ø 100 to 250 mm.

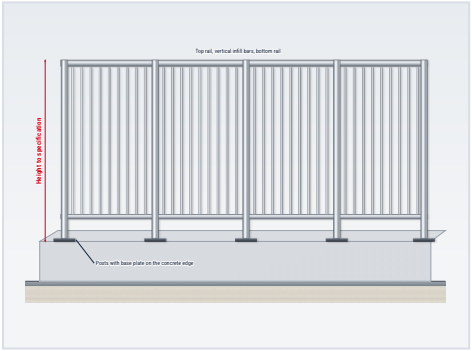
- For fitting onto wooden poles approx. Ø 55 mm
- For poles Ø 100–250 mm
- For erecting maypoles and wooden lighting and lamp posts

MATERIAL AND SURFACE | Steel, hot-dip galvanised

Quotation on request · +49 89 850 20 25 · info@reinholdsmetall.de

Custom work and repairs

reinholdsmetall.de/sonderanfertigungen-reparatu…



Steel and stainless steel metalwork to order, plus repair and maintenance around the house.

In addition to our standard services, our metal workshop makes jewellery stands, manhole covers, balconies and other one-off pieces in steel and stainless steel. Repairs and maintenance around the house are also part of our services.

- Balconies
- Manhole covers
- Door and gate technology
- Repair and maintenance around the house
- Development, design, production, advice and installation

MATERIAL AND SURFACE | Steel | Stainless steel

- Customers: municipal depots, cities and municipalities, architects, forestry and agriculture, property managers, landscaping, private customers.

Quotation on request · +49 89 850 20 25 · info@reinholdsmetall.de

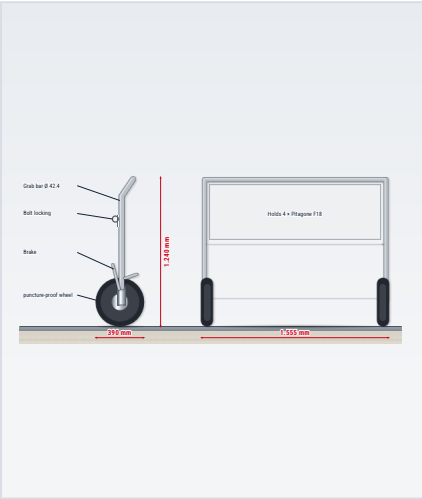
NEW IN THE RANGE

Our own developments

New products and developments from our workshop in Gauting.

NEU Transport trolley for Pitagone F18

reinholdsmetall.de/neuheiten/transportwagen-pit…





One person can move four Pitagone F18 at once, even over cobblestones. With brake and puncture-proof tyres.

For event organisers, municipalities and depots that set up and dismantle mobile vehicle barriers Pitagone F18. The trolley holds four barriers and can be moved by one person.

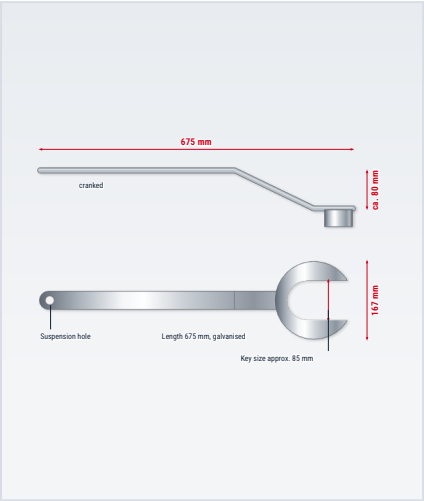
Mounting	4 Pitagone F18
Operation	one person
Brake	built-in
Tyres	puncture-proof
Base	also cobblestones
Material	Steel, hot-dip galvanised
Dimensions (D × H × W)	ca. 400 × 1250 × 1560 mm

- Suitable for the mobile vehicle barrier Pitagone F18 by the manufacturer Pitagone (pitagone.com).

Design and dimensions on request · phone +49 89 850 20 25

NEU Open-end spanner for ground sockets Ø 60 mm

reinholdsmetall.de/neuheiten/gabelschluessel-bo…





Cranked open-end spanner with extension for clamping rings of sign post ground sockets Ø 60 mm, even when sunk into asphalt.

For loosening and tightening the clamping rings of ground sockets for sign posts Ø 60 mm. Thanks to the crank and extension, the spanner also reaches clamping rings sunk into asphalt.

Für	Sign post ground sockets Ø 60 mm
Key size	ca. 85 mm
Length	675 mm
Shape	cranked, with extension
Suspension	Hole for hanging
Material	Steel, hot-dip galvanised

Design and dimensions on request · phone +49 89 850 20 25

NEU Bottle holder

reinholdsmetall.de/neuheiten/pfandblume





For collecting returnable bottles on sign posts

Material	Stainless steel
Surface	Glass-bead blasted or powder-coated

Design and dimensions on request · phone +49 89 850 20 25

SERVICE

Finishes and colours

Bollards and many other products are available in seven standard finishes. Simply append the abbreviation to the order number, for example **7 HF3 b** for a removable round post Ø 70 mm with red warning foil.



a hot-dip galvanised



b hot-dip galvanised, red warning foil



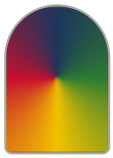
br hot-dip galvanised, red reflective foil



c hot-dip galvanised, RAL 3000 red with white warning foil



cr hot-dip galvanised, RAL 3000 red with white reflective foil



d hot-dip galvanised, painted in a colour of your choice



p hot-dip galvanised, powder coating

Colours

Paint and powder coating in RAL and DB colours of your choice. Printed colours are not binding. All steel parts are hot-dip galvanised to DIN EN ISO 1461; after galvanising, we remove sharp zinc spikes and projections.

Locking types

Triangular to DIN 3223, fire brigade hexagon to DIN 14925, profile half cylinder or padlock, depending on the product. We are happy to agree the right lock for your fire brigade access with you.

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