



POLITE Security Products Pty Ltd is a leading manufacturer in the security industry. From product design, fabrication to operation and maintenance, the Polite team is constantly striving to provide customers with reliable products and efficient services.

Over the last 10+ years, Polite has become a comprehensive expert of perimeter security and entrance access from a small fabrication workshop. We've established long-term relationships with customers from over 30 countries and aim to achieve win-win cooperation with more partners worldwide in the future.

POLITE mission

Create value for customers by offering reliable products and efficient services.

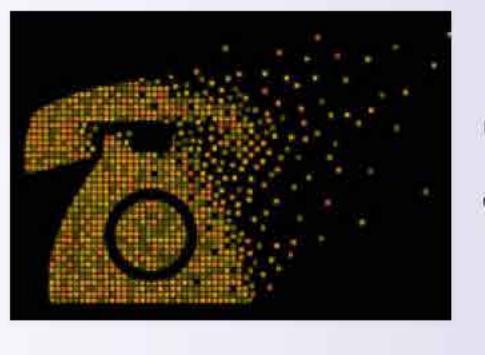
POLITE vision

Customers, partners and employees will feel safe and thanks to POLITE.

POLITE products range

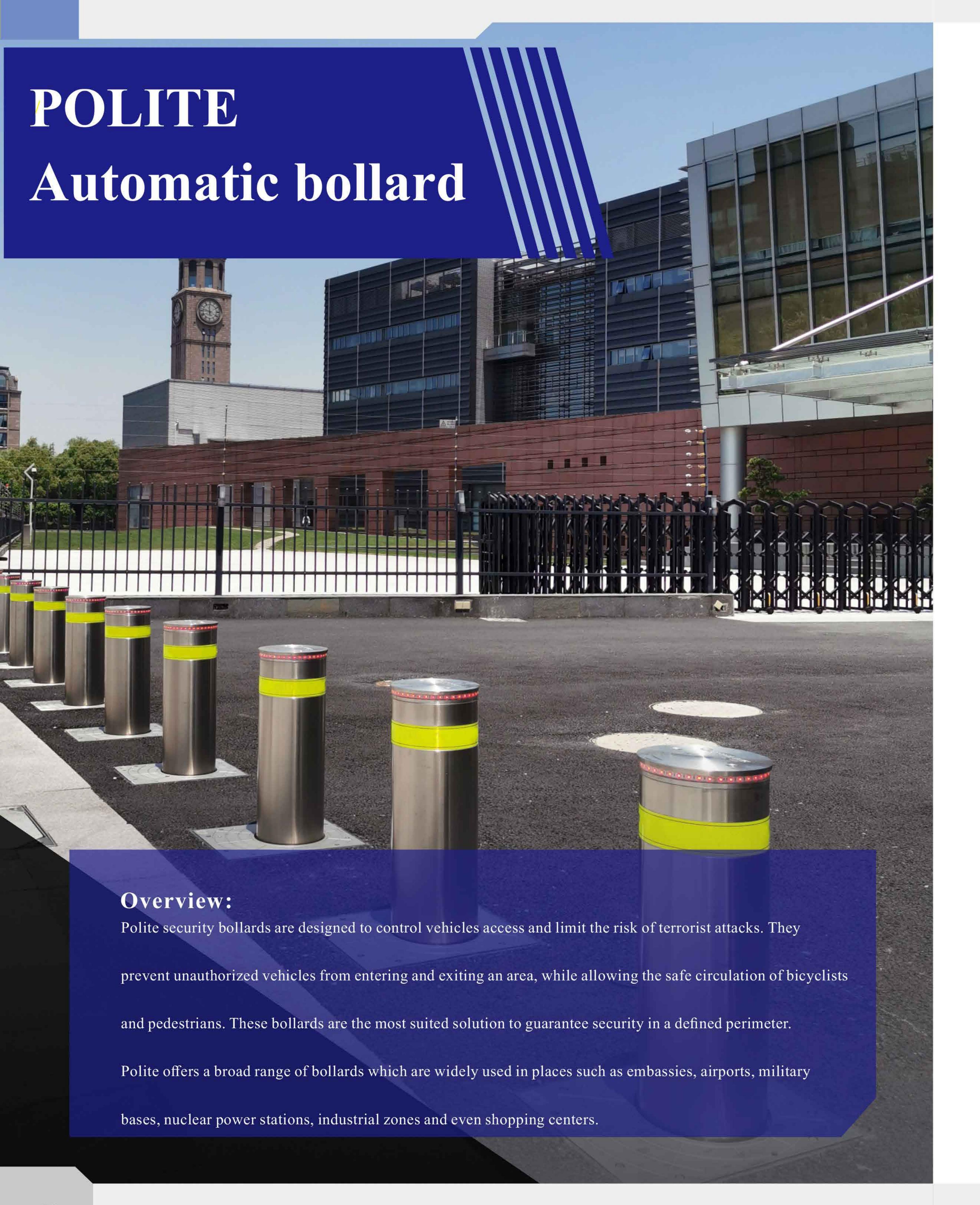
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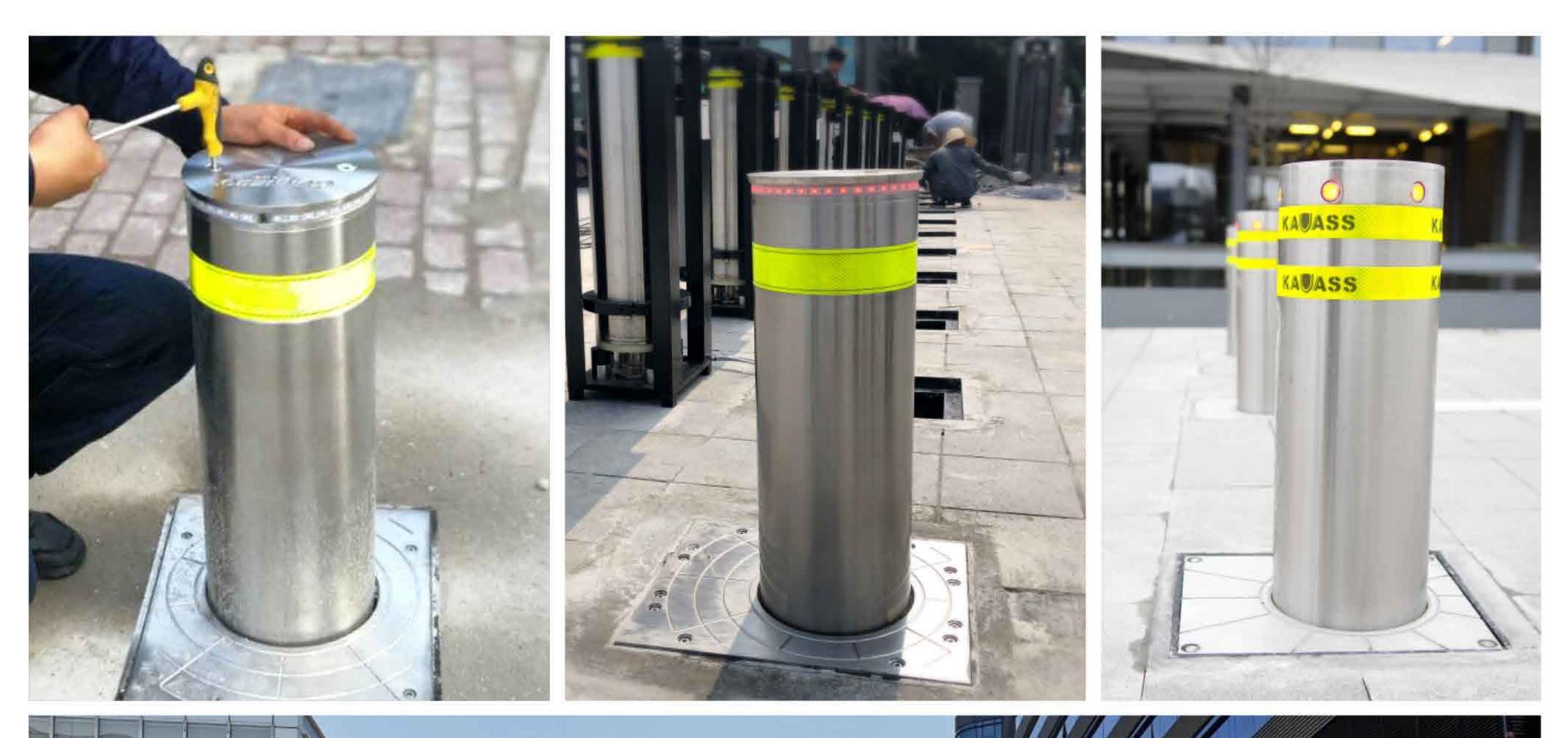
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POLITE Automatic bollard

- ▶ Electro-hydraulic Bollard
- ▶ Hydraulic Bollard
- ▶ Anti-terrorisme bollard
- ▶ Pneumatic Bollard
- ▶ Semi-auto Bollard





Polite electro-hydraulic bollard

Polite electro-hydraulic bollard is designed to meet a medium level of security based on an area's requirements. Therefore, customers are guaranteed full protection at a competitive cost. Polite engineers have integrated a motor with an hydraulic cylinder to reduce the overall manufacturing and maintenance costs while ensuring the bollard's performance and an anti-collision effect. This series of bollards are mainly used in places such as residential areas, pedestrian streets, commercial train stations and private homes.

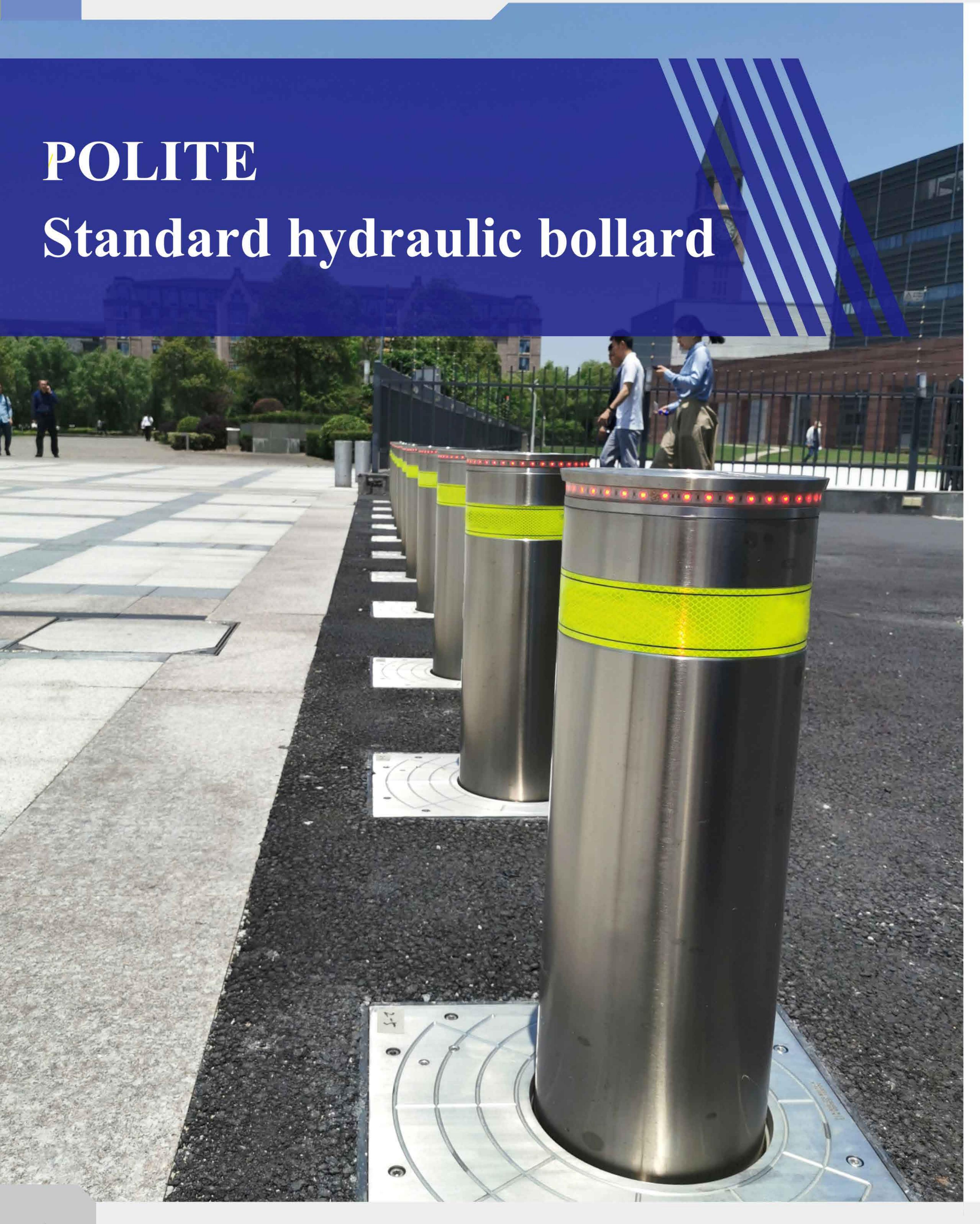
Features

- » Motor and hydraulic cylinder integration
- » Intensive use
- » Easy to install and operate
- » Low maintenance cost
- » Anti-rust treatment
- » High visibility gloss and reflective
- » Emergency operation



Item No.	P-EAHB-168		HB-168 P-EAHB-220			
Diameter	168mm	168mm				
Blocking Height	600mm	900mm	900mm	600mm		
Cylinder Thickness	5mm		6mm	\		
Cylinder material	Carbon steel / 304SS /	316SS				
Bollard pit material	Carbon steel					
Voltage	220V 50Hz					
Surface treatment	Carbon steel: Galvanization and powder coated (color can be customized according to RAL No.) Stainless steel: Hairline polish					
Rising speed	20cm/S	20cm/S				
Lowing speed	20cm/S	20cm/S				
IP Level	IP 67					
Working temperature	-40°C — +70°C	-40°C — +70°C				
Frequency use	High intensive					
Impact resistance	550Kj					
Reflective tape	One 3M diamond serie	s reflective, customi	zed logo is available			
LED light	Red LED light	Red LED light				
Accessories	Remote controller×2	Remote controller×2				
Optional	Push button, loop detector, photocell, buzzer, traffic light, heater can be optional					





Polite standard hydraulic bollard(built-in hydraulic pump)

Polite standard hydraulic auto bollard with a built-in hydraulic pump. The bollard's system has been designed and manufactured to be used as a security bollard (Equal to K4 or M30 level). It can be operated by a remote controller, a push button, a card reader or other existing access control systems.

Polite standard hydraulic automatic bollard care compatible and can be combine with Polite boom barrier, tyre killer.

Features

- » Built-in hydraulic pump with biodegradable oil
- » Anti-terrorist defense
- » Easy to install and operate
- » Low maintenance cost
- » Robust construction
- » High visibility gloss and reflective
- » Emergency operation



Item No.	P-AHB-220.600	P-AHB-220.600 P-AHB-220.900 P-AHB-275.900				
Diameter	220mm	220mm	275mm			
Blocking Height	600mm	900mm	900mm			
Cylinder Thickness	6mm	6mm	6mm			
Cylinder material	Carbon steel / 304SS / 316	SS	<u>, </u>			
Bollard pit material	Carbon steel					
Voltage	220V 50Hz					
Surface treatment		Carbon steel: Galvanization and powder coated (color can be customized according to RAL No.) Stainless steel: Hairline polish				
Rising speed	20cm/S	20cm/S				
Lowing speed	20cm/S	20cm/S				
IP Level	IP 67	IP 67				
Working temperature	-40°C — +70°C					
Frequency use	High intensive					
Impact resistance	750Kj					
Reflective tape	One 3M diamond series re	flective, customized logo is av	ailable			
LED light	Red LED light	Red LED light				
Accessories	Remote controller×2	Remote controller×2				
Optional	Push button, loop detector	, photocell, buzzer, traffic light	t, heater can be optional			

Polite anti-terrorism hydraulic bollard-(Separated hydraulic unit)

Polite anti-terrorism bollard is an anti-terrorism bollard designed to provide a high level of security (Equal with M50 or PAS68). The driven hydraulic unit is located in a separated lockable metal cabinet. The max. distance between the hydraulic unit cabinet and the bollard is 20m.

It is the most suitable option to protect people from suspicious or dangerous vehicles. While the bollards prevent any vehicle from trespassing, they are no obstacles for pedestrians.

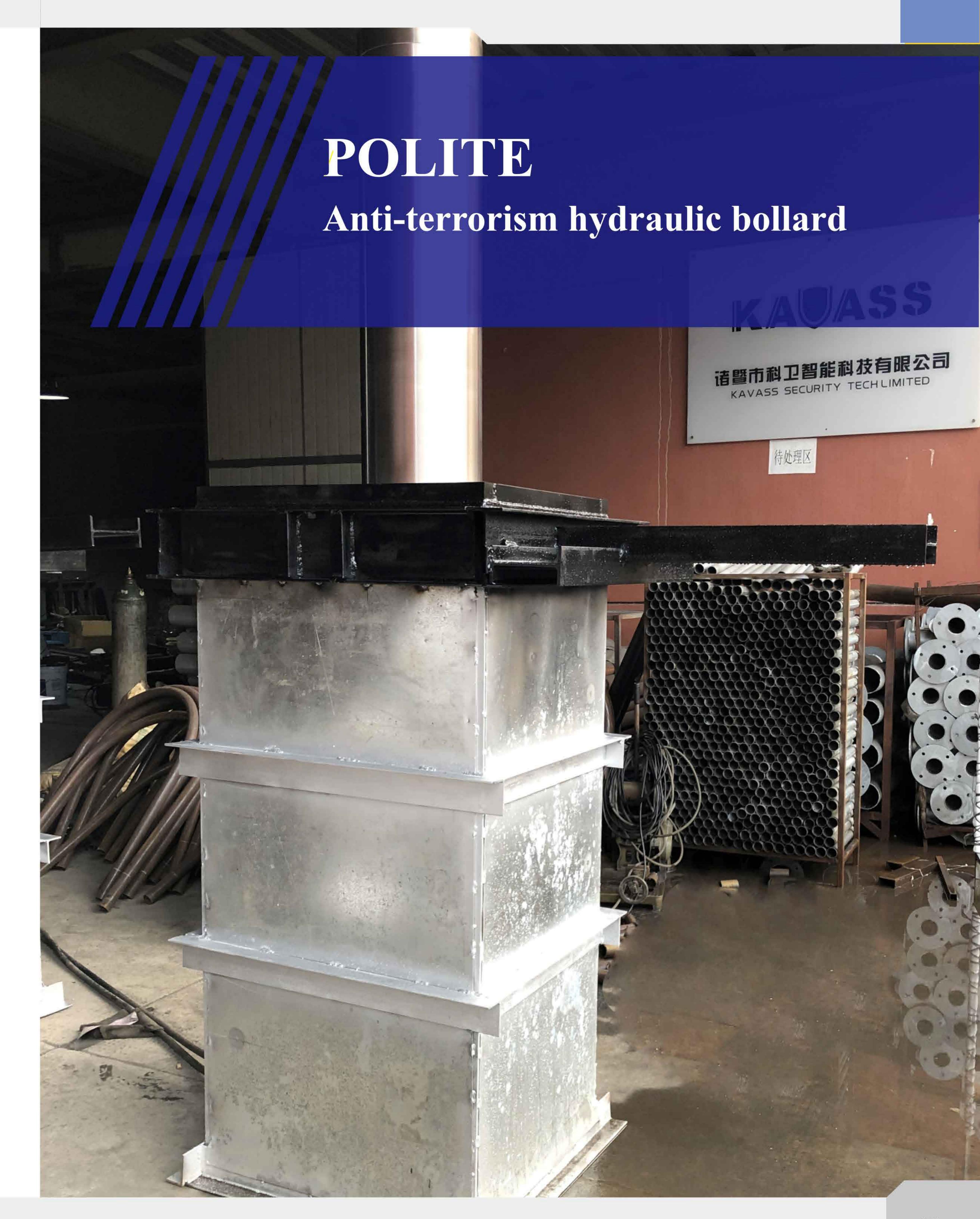
Application areas: Embassies, military bases, boarder crossings, prisons and other sensitive areas

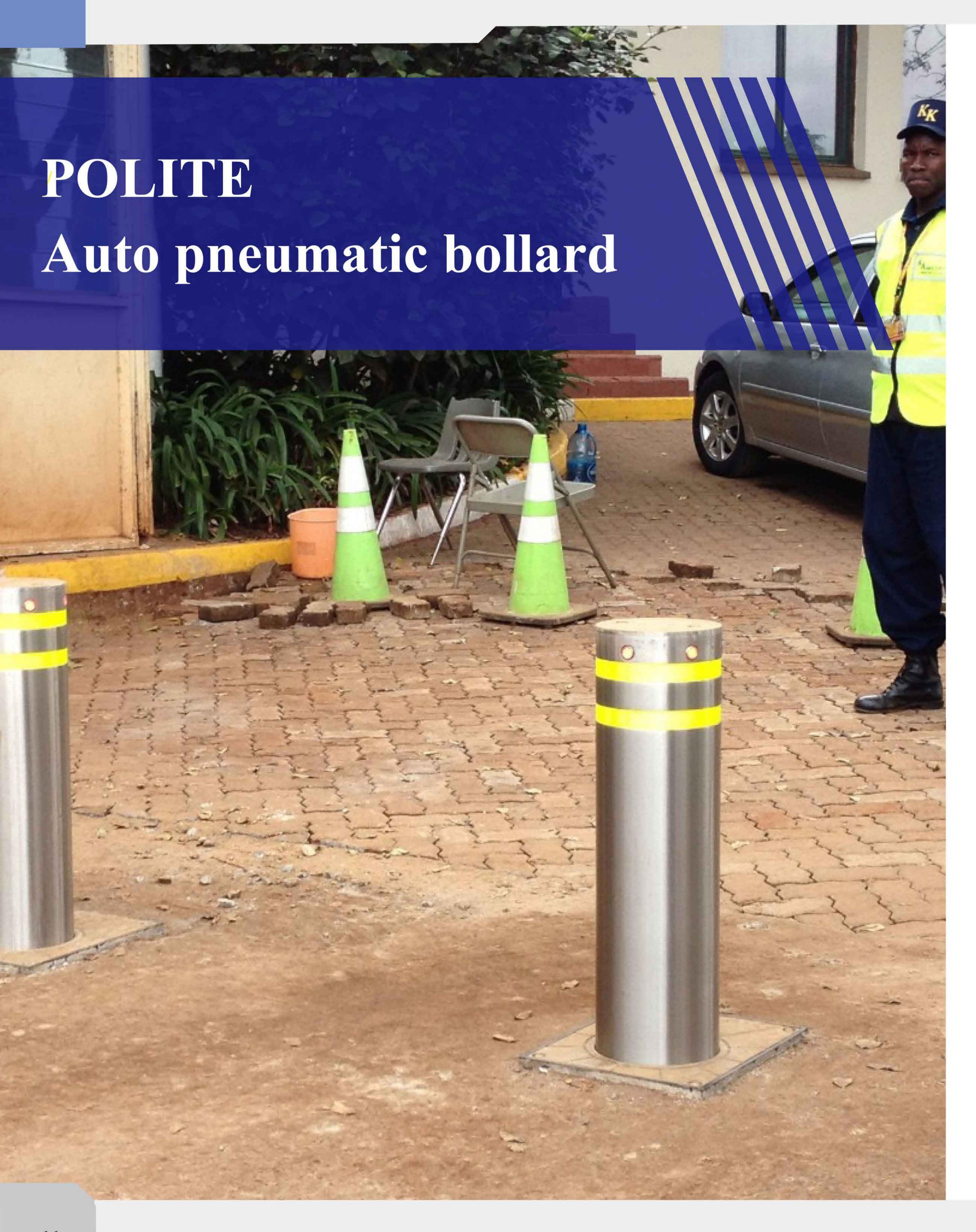
Features

- » Separated hydraulic system
- » Anti-terror robust construction bollard with high impact resistance up to 1700Kj
- » User safety
- » High visibility gloss and reflective
- » Emergency operation



Item No.	P-AHB-220.600.35	P-AHB-220.900.35	P-AHB-275.900.35			
Diameter	220mm	220mm	275mm			
Blocking Height	600mm	600mm 900mm				
Cylinder Thickness	35mm	35mm 35mm				
Cylinder material	Carbon steel / 304SS / 31	6SS				
Bollard pit material	Carbon steel					
Voltage	220V 50Hz					
Surface treatment		Carbon steel: Galvanization and powder coated (color can be customized according to RAL No.) Stainless steel: Hairline polish				
Rising speed	30cm/S	30cm/S				
Lowing speed	20cm/S	20cm/S				
IP Level	IP 67					
Working temperature	-40°C — +70°C	-40°C — +70°C				
Frequency use	High intensive					
Impact resistance	20000Kj					
Reflective tape	One 3M diamond series re	eflective, customized logo is ava	ilable			
LED light	Red LED light					
Accessories	Remote controller×2	Remote controller×2				
Optional	Push button, loop detector	r, photocell, buzzer, traffic light,	heater can be optional			





Polite auto pneumatic bollard

Polite pneumatic bollard is designed for repetitive cycles. It is ideal for traffic control in locations such as shopping centres, parking lots, commercial plazas, hotels and government buildings.

A gas cylinder is built-in the bollard and connected with a compressor, by a gas tube, to an external cabinet.

Features

- » Pneumatic driven bollard
- » 100% duty cycle for high frequency use
- » Fast lower-raise operation
- » Environmentally friendly system
- » High visibility gloss and reflective
- » Emergency operation



Item No.	P-APB-168	P-APB-168				
Diameter	168mm	168mm				
Blocking height	600mm	600mm 900mm		900mm		
Cylinder thickness	5mm		6mm			
Cylinder material	Carbon steel / 304	4SS / 316SS				
Bollard pit material	Carbon steel					
Voltage	220V 50Hz					
Surface treatment	Carbon steel: Galvanization and powder coated (color can be customized according to RAL No.) Stainless steel: Hairline polish					
Rising speed	30cm/S	30cm/S				
Lowing speed	20cm/S	20cm/S				
IP Level	IP 67	IP 67				
Working temperature	-40°C — +70°C					
Frequency use	High intensive					
Reflective tape	One 3M diamond	series reflective, customize	ed logo is available			
LED light	Red LED light	Red LED light				
Accessories	Remote controlle	Remote controller×2				
Optional	Push button, loop	detector, photocell, buzzer	, traffic light, heater can l	be optional		

Polite semi-automatic bollard

Polite's semi-automatic bollard is an economical bollard solution designed to provide a medium level of security.

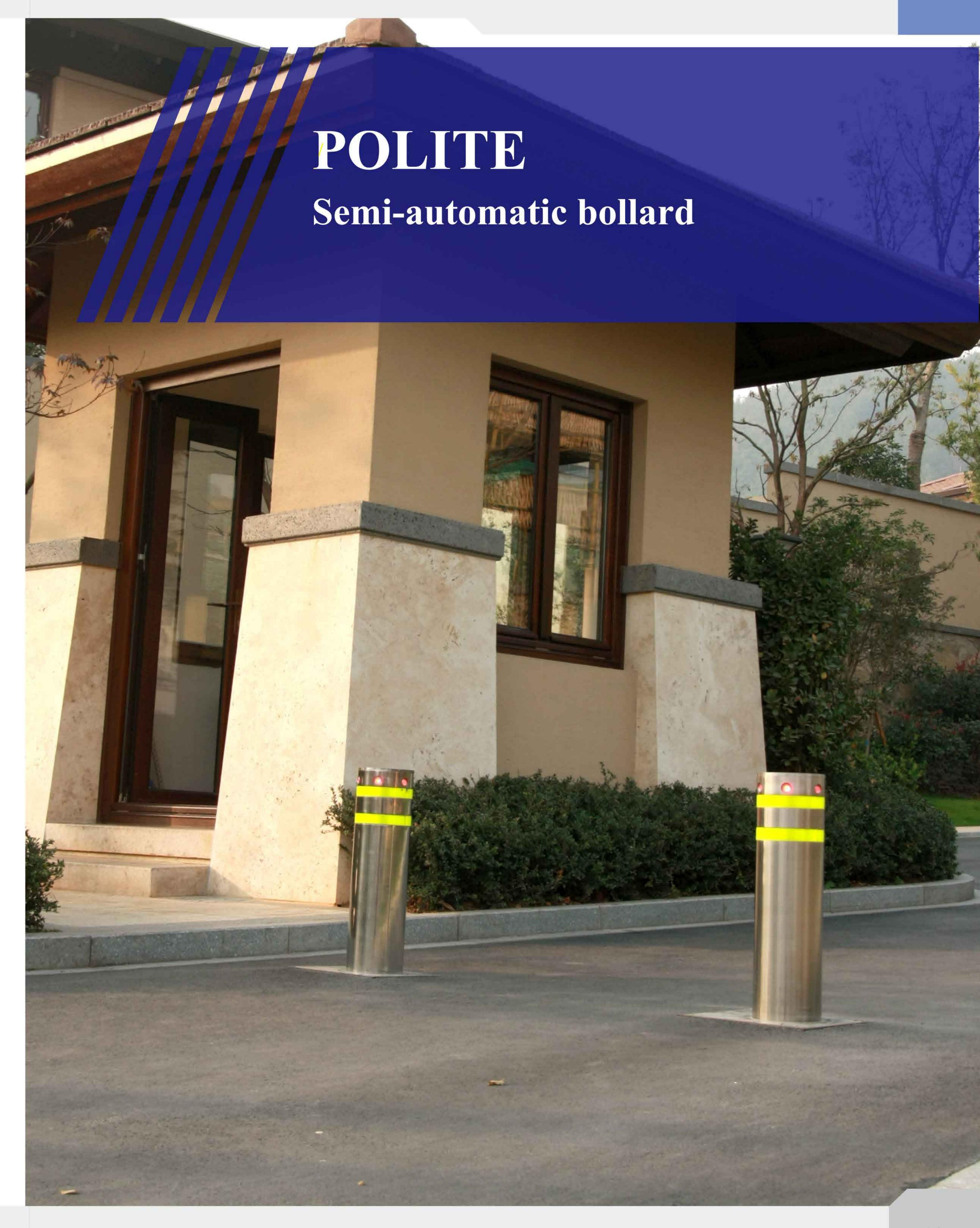
Operating way: When turning the key to release the bollard post, a gas struck pushes the post up to full height without having to manually lift it up. It locks into place once fully extended. It is lowered down by foot and can also be automatically locked once fully lowered. Due to the operating procedure, it is advised that the semi-automatic bollard be used only if the amount of daily operation is limited.

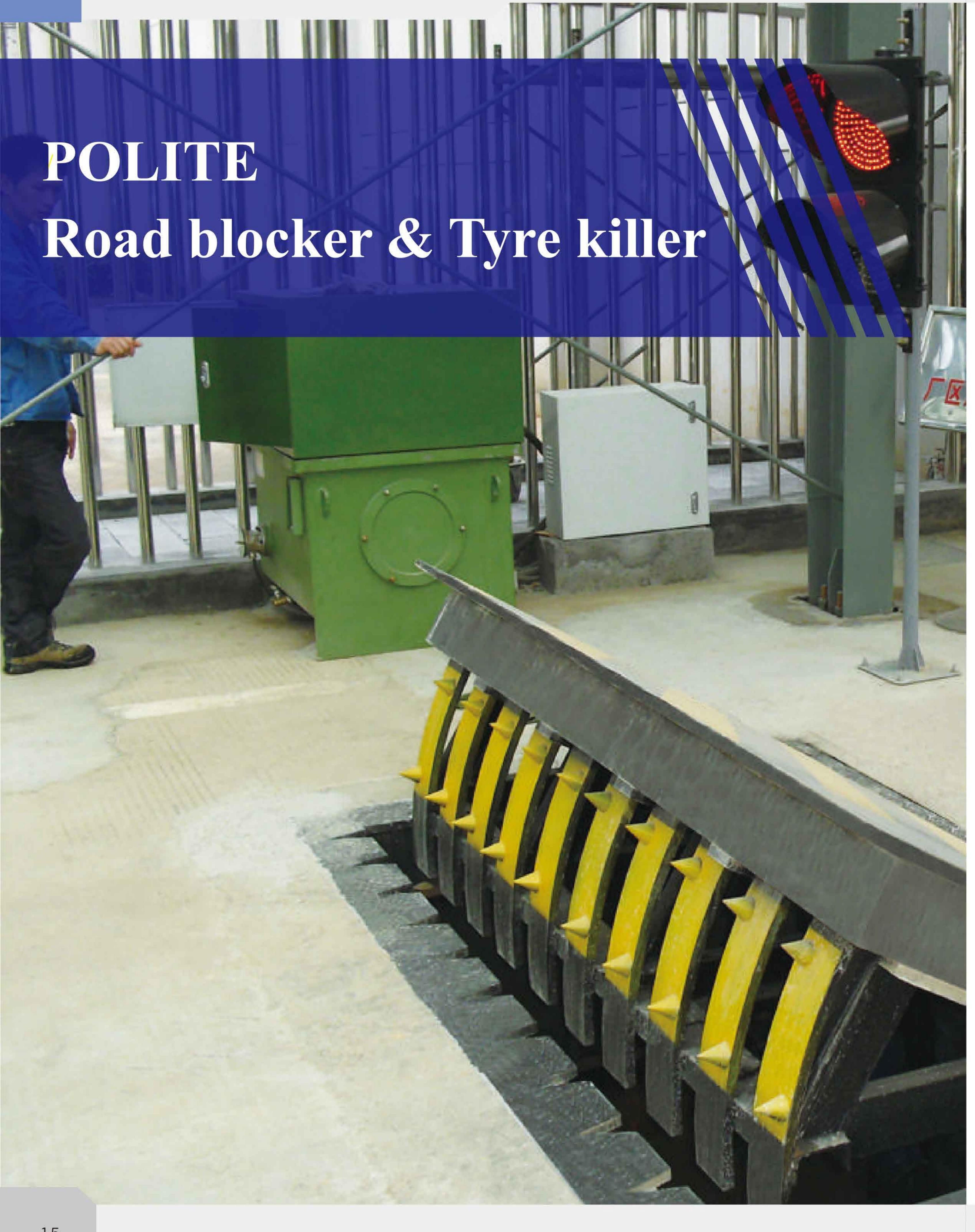
Features

- » Easy key release
- » Low maintenance cost
- » Economic solution
- » Uncharged bollard
- » High visibility gloss and reflective



Item No.	P-SAB-168.600	P-SAB-168.900	P-SAB-220.600	P-SAB-220.900			
Diameter	168mm	168mm	220mm	220mm			
Blocking Height	600mm	600mm	600mm	900mm			
Cylinder Thickness	5mm	5mm	6mm	6mm			
Cylinder material	Carbon steel / 304SS /	316SS					
Bollard pit material	Carbon steel						
Surface treatment	Carbon steel: Galvanization and powder coated (color can be customized according to RAL No.) Stainless steel: Hairline polish						
Rising speed	15cm/S	15cm/S					
	15cm/S						
Lowing speed	15cm/S						
Lowing speed IP Level	15cm/S IP 67						
IP Level	IP 67						
IP Level Working temperature	IP 67 -40°C — +70°C High intensive	s reflective, customized 1	ogo is available				
IP Level Working temperature Frequency use	IP 67 -40°C — +70°C High intensive	s reflective, customized l	ogo is available				







Road blocker

Polite road blocker is designed to provide a high level of security. The housing and the blocking element of the road block system are made in full core steel, to absorb static impact loads up to 5000kN. The blocking element with the integrated anti-deflection device is electro-hydraulically operated with an electric motor of the adequate size (380V, 50 Hz, 3-phase current). The electro-hydraulic drive unit, as well as the control system, are installed in a lockable steel cabinet for outdoor installation. The max. distance between a road block and metal cabinet is 20M.

Application areas: Embassies, military bases, fuel stations, prisons and other sensitive areas that may need high level security protection.

Features

- » Hydraulic driven
- » Anti-terror robust construction with high impact resistance up to 1700Kj
- Emergency operation
- » Single or multiple units in row with one common drive unit
- » Anti-corrosion surface treatment



Item No.	P-RB
Voltage	380V 50Hz
Road blocker length	2M, 3M,4M,5M
Blocking height	700mm to 1100mm
Material	Carbon steel
Surface treatment	Carbon steel: Galvanization and powder coated (color can be customized according to RAL No.)
Rising speed	3s
Lowing speed	3s
IP Level	IP67
Impact resistance	1700Kg
Hydraulic unit	Separated hydraulic unit
Hydraulic oil	Mineral or biodegradable fluid
Frequency use	High intensive
Working temperature	-40 °C — +60 °C
Manual operation	YES
Max distance between road blocker and hydraulic unit cabinet	20M
Accessories	Remote controller ×2
Optional	UPS(After power off, road blocker can be operated automatically twice) Push button, loop detector, photocell, buzzer, traffic light, heater, EFO system

Shallow mounted road blocker

Polite shallow mounted road blocker pit depth is just 400mm. It can protect existing building and infrastructure well and its robust blocking element(blocking height on ground:700mm)can also provide a high level of security. The blocking element with the integrated anti-deflection device is electro-hydraulically operated with an electric motor of the adequate size (380V, 50 Hz, 3-phase current). The electro-hydraulic drive unit, as well as, the control system are installed in a lockable steel cabinet for outdoor installation. The max. distance between a road block and a metal cabinet is 20M.

Application areas: Embassies, military bases, fuel stations, prisons and other sensitive areas that may need high level security protection.

Features

- » Hydraulic driven
- » Shallow mounted.(Pit depth:400mm)
- Anti-terror robust construction with high impact resistance up to 800Kj
- » Emergency operation
- » Single or multiple units in row with one common drive unit
- » Anti-corrosion surface treatment



Item No.	P-RB(S)
Voltage	380V 50Hz
Road blocker length	2M, 3M,4M,5M
Blocking height	700mm
Pit depth	400mm
Material	Carbon steel
Surface treatment	Carbon steel: Galvanization and powder coated (color can be customized according to RAL No.)
Rising speed	3s
Lowing speed	3 s
IP Level	IP67
Impact resistance	800Kg
Hydraulic unit	Separated hydraulic unit
Hydraulic oil	Mineral or biodegradable fluid
Frequency use	High intensive
Working temperature	-40 °C — +60 °C
Manual operation	YES
Max distance between road blocker and hydraulic unit cabinet	20M
Accessories	Remote controller ×2
Optional	UPS(After power off, road blocker can be operated automatically twice) Push button, loop detector, photocell, buzzer, traffic light, heater, EFO system

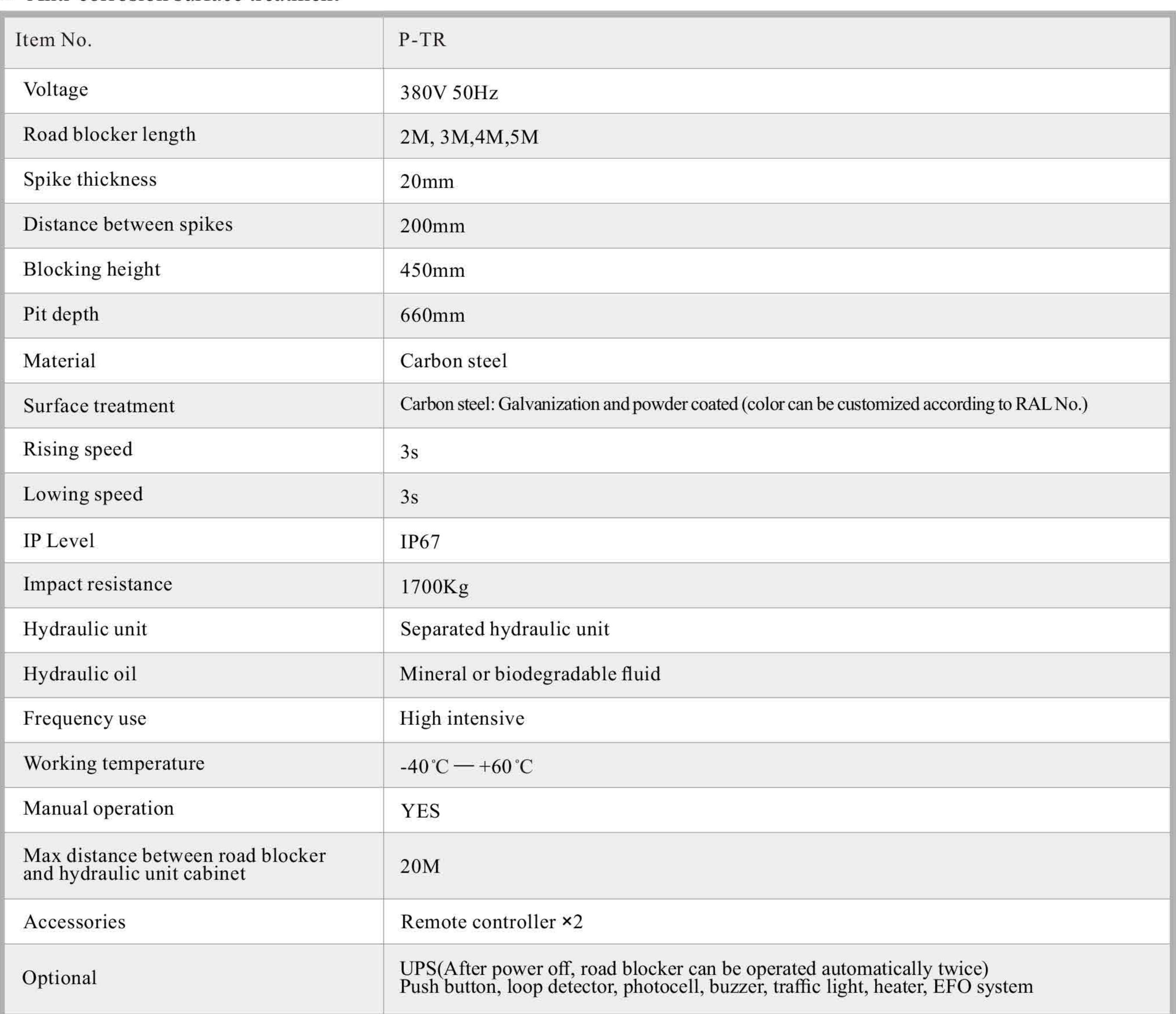
Heavy duty tyre killer

Polite heavy duty tyre killer is designed to provide a high level of security. The robust steel spikes rise 450mm above the ground. It is driven by electro-hydraulic power. The separated hydraulic pump and control system are located in an external lockable metal cabinet. The max. distance between a tyre killer and a cabinet is 20M.

Application areas: Embassies, military bases, fuel stations, prisons and other sensitive areas that may need high level security protection.

Features

- » Hydraulic driven
- » Anti-terror robust construction with high impact resistance up to 1700Kj
- » Emergency operation
- » Single or multiple units in row with one common drive unit
- » Anti-corrosion surface treatment



Electro-mechanical tyre killer

Polite Electro-mechanical tyre killer supplier both surface mount type and in-ground type.

It is designed to provide a medium to high level of security in designated areas. Therefore, customers are guaranteed a good level of protection at a lower cost. A high-torque DC motor is used for greater reliability. This tyre killer series is mainly used in residential areas, pedestrian streets, commercial squares, or even, private homes.

Features

- » High-torque DC motor for greater reliability
- » External limit switches provide a failsafe operation
- » Manual operation in case of power failure
- » Indirect drive models can operate independently or work together with traffic barrier etc
- » Polite supplier both surface mount type and in-ground type



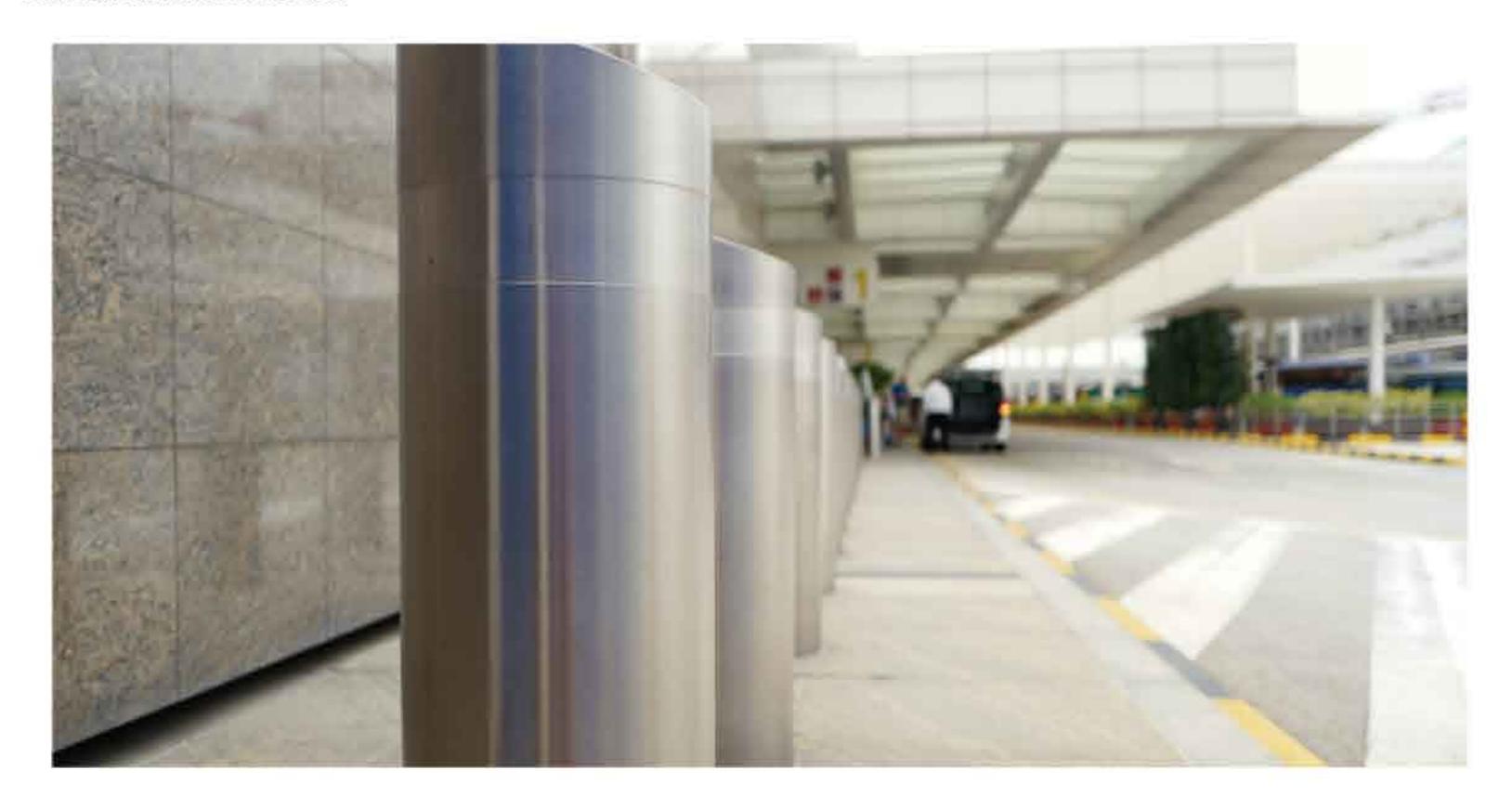
Item No.	P-ETK(S)-130.10	P-ETK(I)-130.10			
Length	2M-7M	2M-7M			
Thickness	10mm	10mm			
Distance between spikes	10mm	10mm			
Spike height	130mm	130mm			
Total on-ground height	250mm	250mm			
In-ground depth		150mm			
Installation type	Surface mounted	In-ground			
Impact resistance	150KG	200KG			
Open/Closing time	0.3-2S				
Material	Carbon steel				
Power supply	220V				
Output	370W				
Working temperature	-40 °C — +60 °C				
Accessories	Remote controller ×2				
Optional	UPS(After power off, road blocker can be operated automatically twice) Push button, loop detector, photocell, buzzer, traffic light, heater, EFO system				





Polite fixed bollards are designed to match vehicle access control requirements in residential areas, commercial and retail premises, pathways, plazas etc.

Offered in two designs, inground for installation into a concrete footing or surface mounted for bolted Installation.



APPLICATION

- 1.Retail shopping centres
- 2.Hotel
- 3.Office building
- 4. Pedestrian zone
- 5. Residential streets

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Safety solutions provider

ADVANTAGES

- 1. High resistance to corrosion and weathering.
- 2. Economic and easy to install.
- 3.Low-cost installation and maintenance.
- 4.Polished finish or galvanized+powder coated finish as standard.
- 5.3M diamond level reflective tape for warning.
- 6. Size, color and material can be customized.



type 1



Features

- Bolt down-surface fixed.
- Easy installation and maintenance.
- Available in a variety of sizes.
- · Galvanized and powder coated as standard.
- · Hot galvanized only or powder coated only option available.
- Bollards comes with molded cap as standard. Semi-domed and mitred top cap option available.
- OEM is also welcomed.



type 2



Features

- Root fixed into ground.
- Easy installation and maintenance.
- Available in a variety of sizes.
- · Galvanized and powder coated as standard.
- · Hot galvanized only or powder coated only option available.
- Bollards comes with molded cap as standard. Semi-domed and mitred top cap option available.
- OEM is also welcomed.

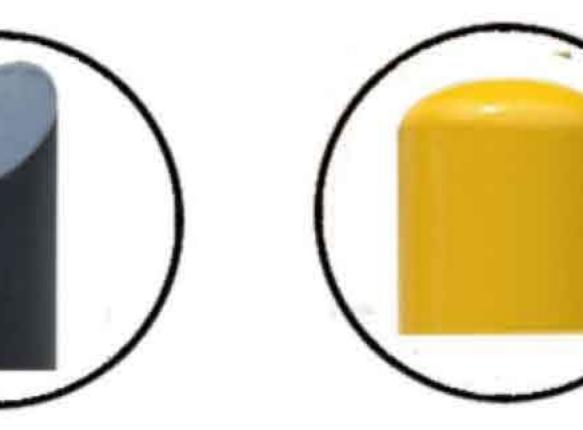


Optional

This product can be customized with a wide range of option fixtures. If you have any further requirement, get in tough











Square base plate

Item No.	P-FB(S)-89.900-0	P-FB(S)-101.900-0	P-FB(S)-114.900-0	P-FB(S)-140.1200-0	P-FB(S)-165.1200-0		
Diameter	89	101	114	140	165		
Thickness	2/3	2/3	2/3	2/3	2/3		
Height	900	900	900	1200	1200		
Base plate size	D225*T8	D225*T8	D225*T8	D250*T8	D300*T10		
Material	Carbon steel	Carbon steel					
Surface finish	Galvanized and power	Galvanized and powder coated as standard. Hot galvanized only or powder coated only option available					
Others	89mm and 140mm di	89mm and 140mm diameter as standard. Other size can be customized on request					

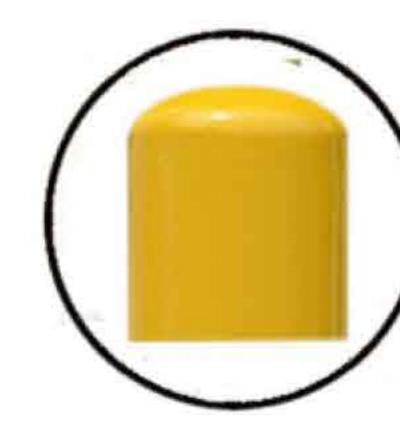
Semi-dome top

Optional

This product can be customized with a wide range of option fixtures. If you have any further requirement, get in tough











Flap top

Mitred top

Semi-dome top

Groove

Angle iron

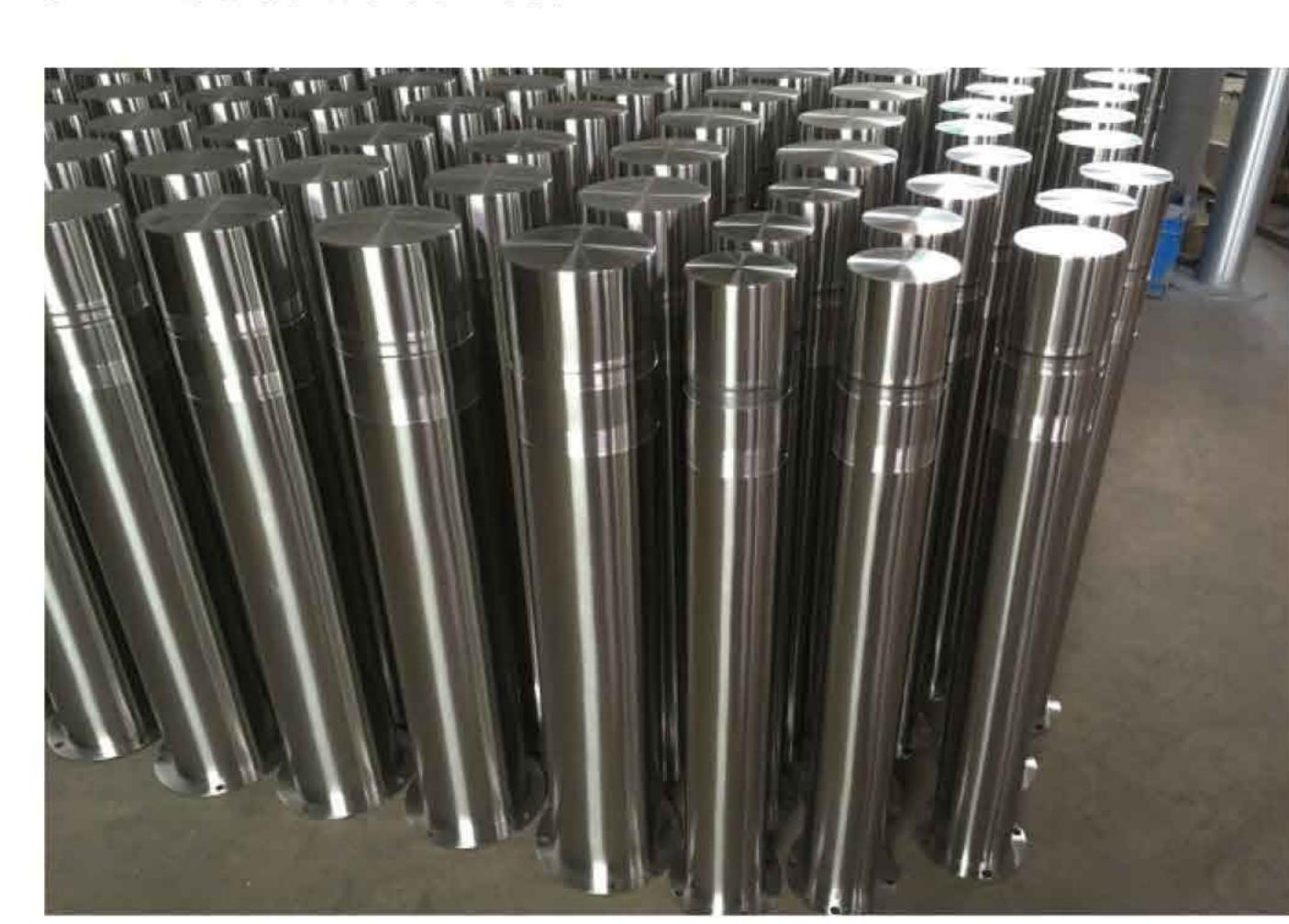
Item No.	P-FB(I)-89.1200-0	P-FB(I)-101.1200-0	P-FB(S)-114.1200-0	P-FB(S)-140.1500-0	P-FB(S)-165.1500-0		
Diameter	89	101	114	140	165		
Thickness	2/3	2/3	2/3	2/3	2/3		
Height	900	900	900	1200	1200		
Deepth	300	300	300	300	300		
Material	Carbon steel	Carbon steel					
Surface finish	Galvanized and power	Galvanized and powder coated as standard. Hot galvanized only or powder coated only option available					
Others	89mm and 140mm d	89mm and 140mm diameter as standard. Other size can be customized on request					

type 1



Features

- Bolt down-surface fixed.
- Easy installation and maintenance.
- Available in a variety of sizes.
- High quality 304 grade stainless steel or 316grade stainless steel.
- Bollards comes with flap cap. Semi-domed and mitred topcap option available.
- OEM is also welcomed.



type 2



Features

- Root fixed into ground.
- Available in a variety of sizes.
- High quality 304 grade stainless steel or 316 grade stainless steel.
- Bollard comes with semi-domed top cap. Flap and mitred top cap option available.
- OEM is also welcomed.



Optional

This product can be customized with a wide range of optional fixtures. If you have any further requirements, get in touch.













Customized design

Item No.	P-FB(S)-89. 900-4	P-FB(S)-101. 900-4	P-FB(S)-114. 900-4	P-FB(S)-140. 900-4	P-FB(S)-165. 900-4			
Diameter	89	101	114	140	165			
Thickness	2/3	2/3	2/3	2/3	2/3			
Height	900	900	900	1200	1200			
Base plate size	D170*T6	D182*T6	D194*T6	D220*T6	D250*T6			
Material	304 Grade/316 Grade	304 Grade/316 Grade						
Surface finish	High quality stainless	High quality stainless steel polished as standard						
Others	89mm and 140mm di	89mm and 140mm diameter as standard. Other size can be customized on request						

Optional

This product can be customized with a wide range of optional fixtures. If you have any further requirements, get in touch.













Base ring Customized design

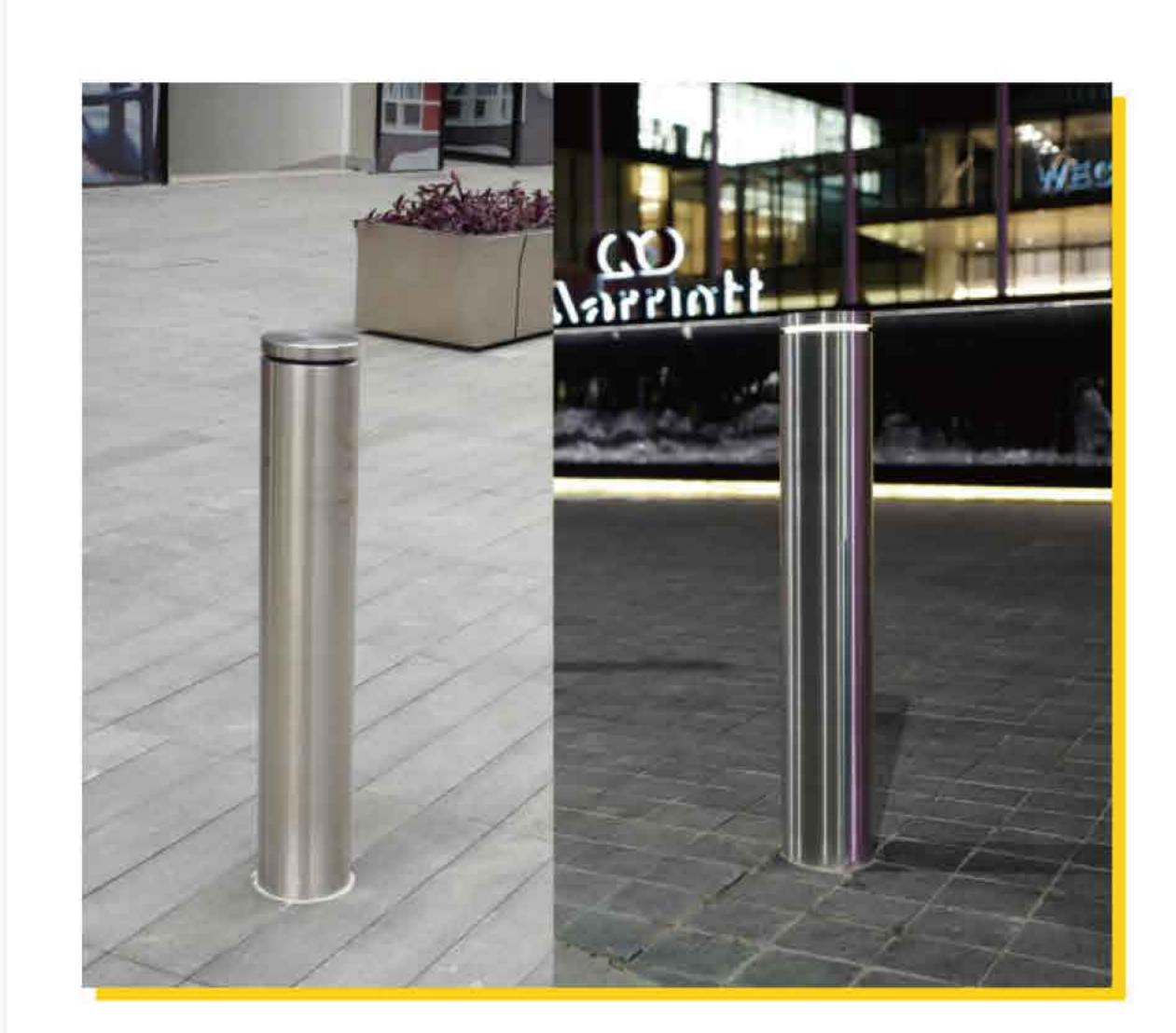
Item No.	P-FB(I)-89.1200-4	P-FB(I)-101.1200-4	P-FB(I)-114.1200-4	P-FB(I)-140. 900-4	P-FB(I)-168.1200-4
Diameter	89	101	114	140	165
Thickness	2/3	2/3	2/3	2/3	2/3
Height	900+300	900+300	900+300	900+300	900+300
Material	304 Grade/316 Grade				
Surface finish	High quality stainless steel polished as standard				
Others	89mm and 140mm diameter as standard. Other size can be customized on request				

type 1 -LED Lighted bollard



Features

- Set of 33W 24V low voltage LED.
- Made from stainless steel high quality finish.
- Energy saving low running cost beautiful cool white light.
- Two types available.In-ground bollard set with concrete and surface mount bollard set with bolts.

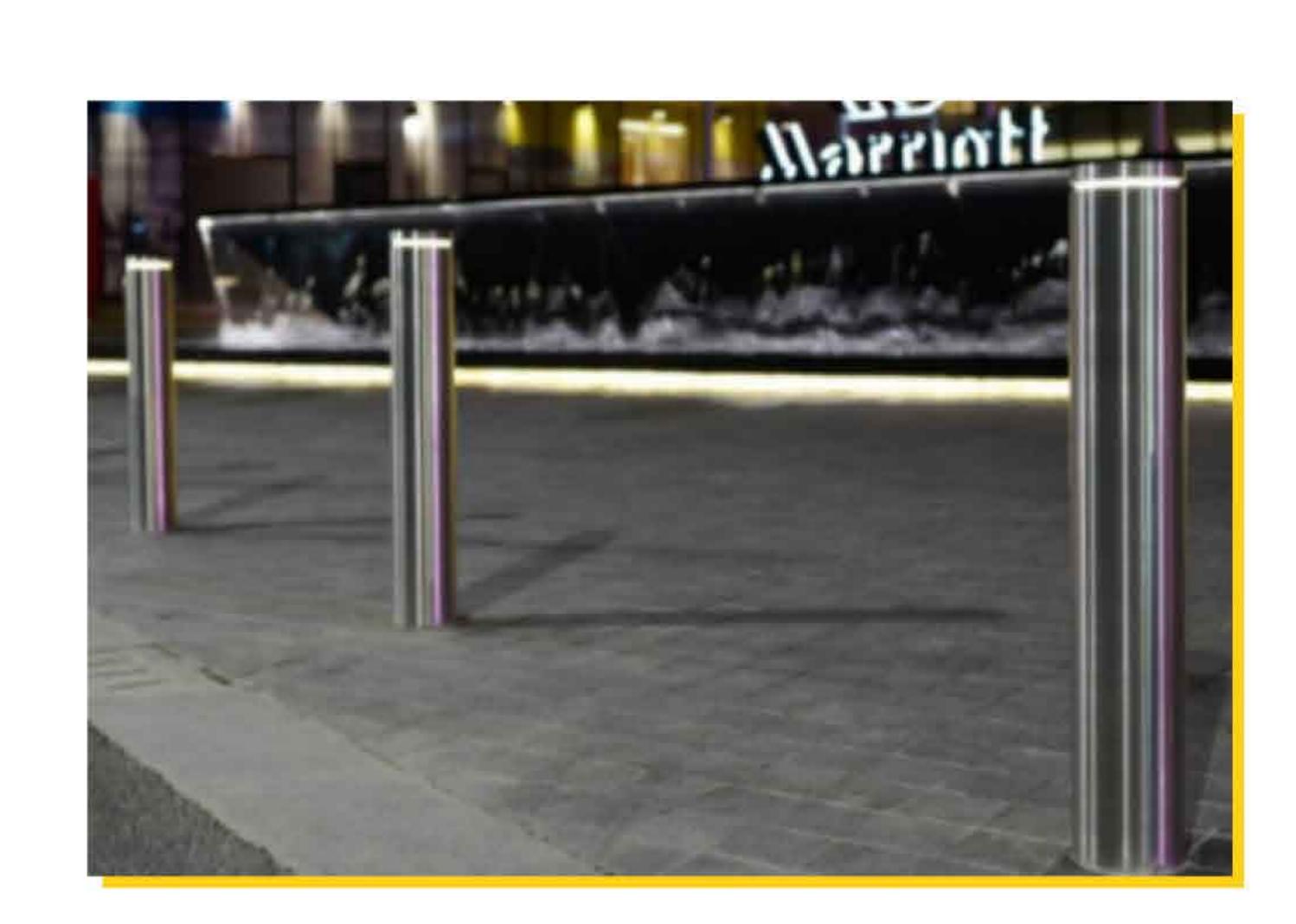


type 2 -Solar Lighted bollard



Features

- Solar powered. No need for electricity or wires.
- Automatically turns on in dark.
- Runs for 6-8 hours every night.
- 10mm width acrylic lighted part.
- Rooted to concrete as standard. Surface mounted flange on request.
- High grade stainless steel(304 0r 316 grade)



Item No.	P-FB(L)-114.1100.3	P-FB(L)-140.1200.3	
Diameter	114	140	
Thickness	3	3	
Height	1100	1200	
Material	304 Grade/316 Grade		
Surface finish	High quality stainless steel polished as standard		
LED	24V low voltage LED light		
Others	Other size can be custo 5.5 V 100MA 0.2 W Polysiliconmized on request		

LED Lighted bollard control box. Size:200*250mm. Voltage convertor from 220V/110V to 24V. Meet international standard. Max. control 20 units bollards.

Item No.	P-FB(SL)-114.1100.3
Diameter	114
Thickness	3
Height	1100
Material	304 Grade/316 Grade
Surface finish	High quality stainless steel polished as standard
Solar panel	5.5V 100MA 0.2W polysilicon
Battery	3.7V 1800mHA nickel-hydrogen battery
LED Lights	0.5W
Charging time	8 hours in the sun
Lighting time	6-8 hours
Light colour	White
Others	5.5V 100MA 0.2W Polysilicon





Removable bollards are designed to limit vehicle access. A temporary access can be granted to vehicles such as delivery or emergency vehicles for example, by removing the bollards. This solution is especially suitable for locations such as; commercial and retail premises, pathways, lane-ways, car show rooms or plazas, that wish to preserve sight-lines and unobstructed pedestrian flow.

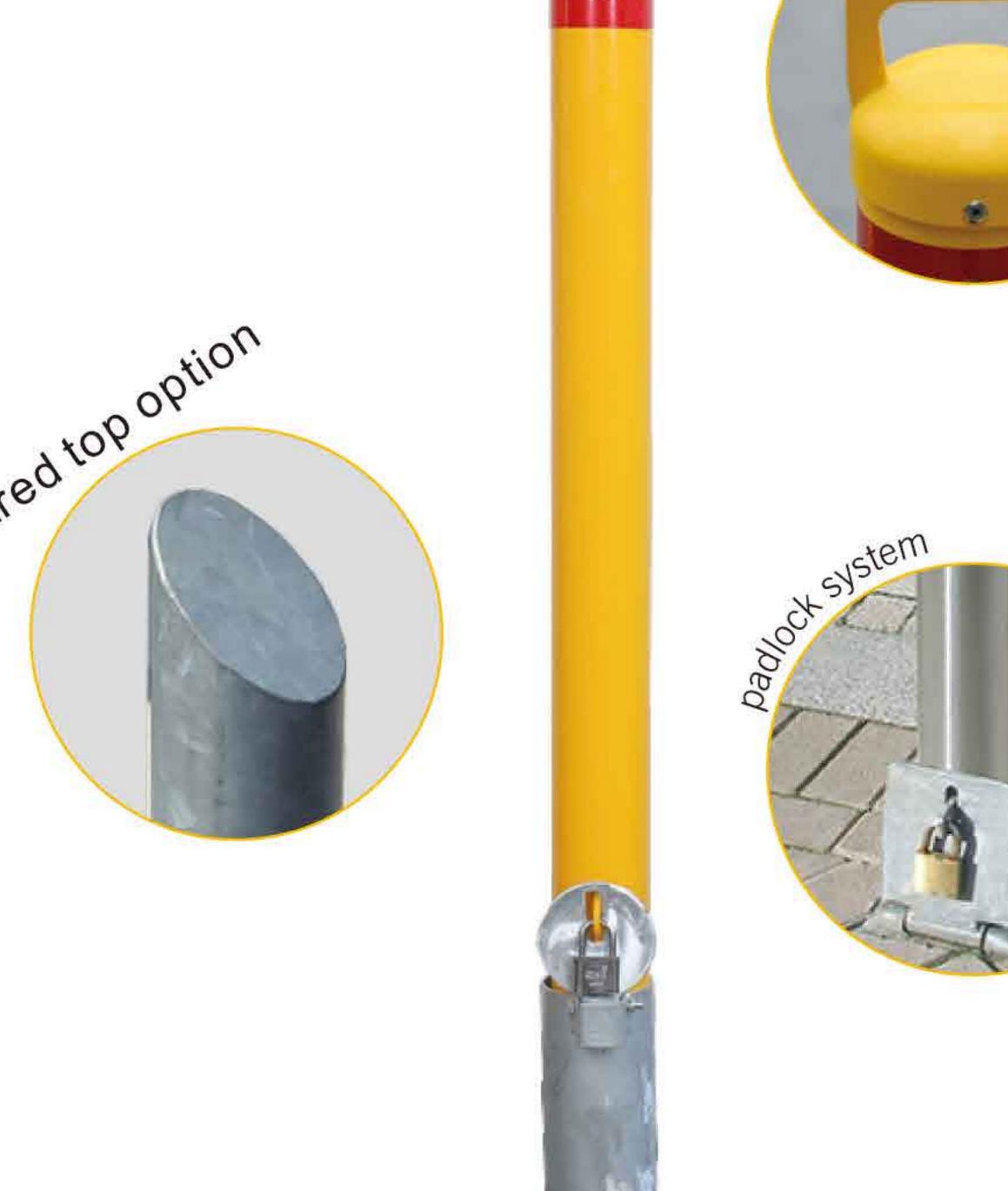
APPLICATION

- Plazas
- Parking lots
- Retail shopping centre
- Office building
- Pedestrian zone

ADVAMTAGE

- High resitance to corrosion and weathering
- · High security anti-theft locking mechanism
- Economic and easy to install
- Lifted and removed easily
- Reflective tape for warning

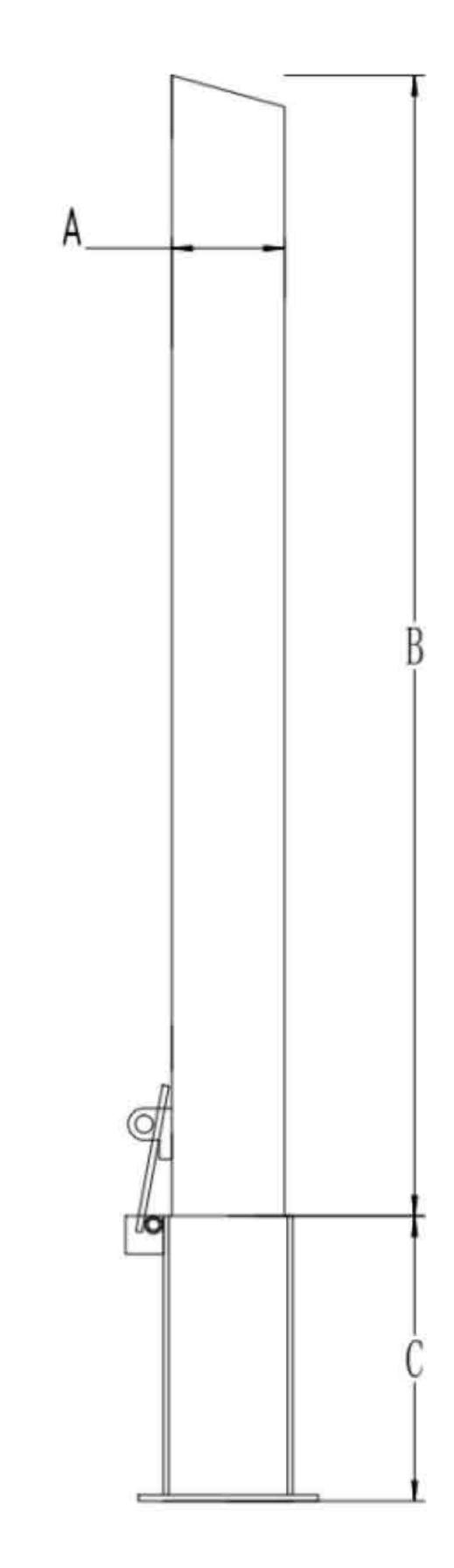


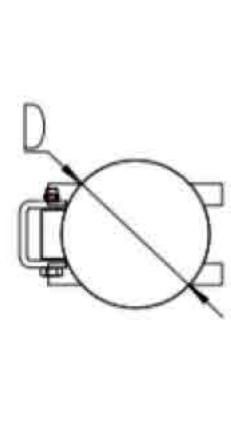


Features

- Effective padlock system.
- Low cost installation and maintenance.
- Molded top as standard.
- Galvanized and powder coated as standard.
- Mitred or flap top option available.
- Different size option available.







Specification			
Item No.	P-REB(IP)-89.960.3	P-REB(IP)-140.1200.3	
Diameter	89	140	
Thickness	3	3	
Height	900	1200	
Material	Carbon steel		
Surface finish	Finished with galvanized and powder coated as standard.		
Others	Other size can be customized on request. 304,316 grade stainless steel option available.		



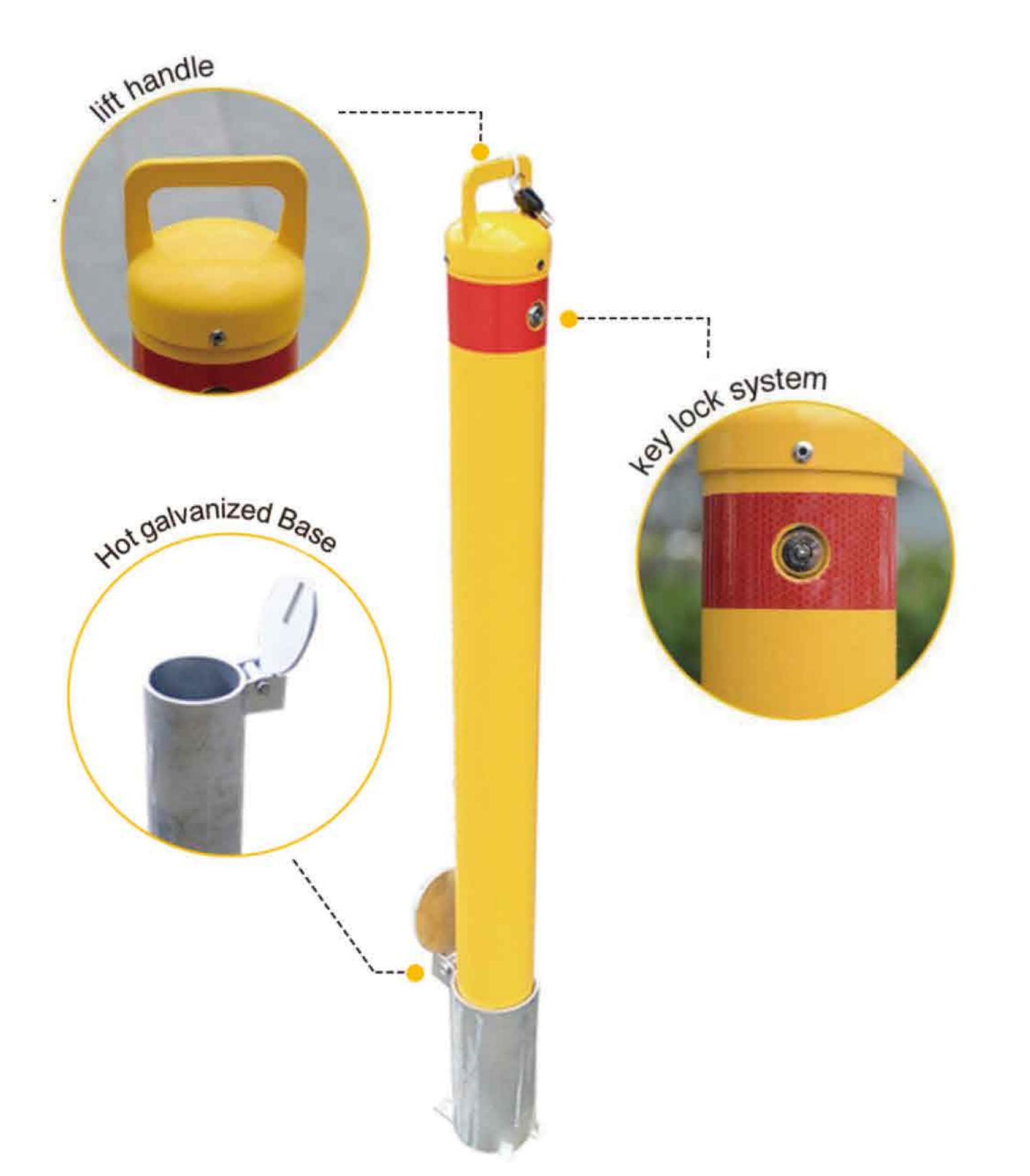
- Effective padlock system.
- · Low cost installation and maintenance.
- Molded top as standard.
- Galvanized and powder coated as standard.
- Post holders and hangers available for storing posts when idle.

Optional

- Material: Carbon steel/304SS/316SS
- Reflective tape
- Other colors and size



Specification	
Item No.	P-REB(IP)-89.965.3
Diameter	89mm
Thickness	3 m m
Height	965+250mm
Material	Carbon steel
Surface finish	Finished with galvanized and powder coated.
Others	Other size can be customized on request. 304,316 grade stainless steel option available.



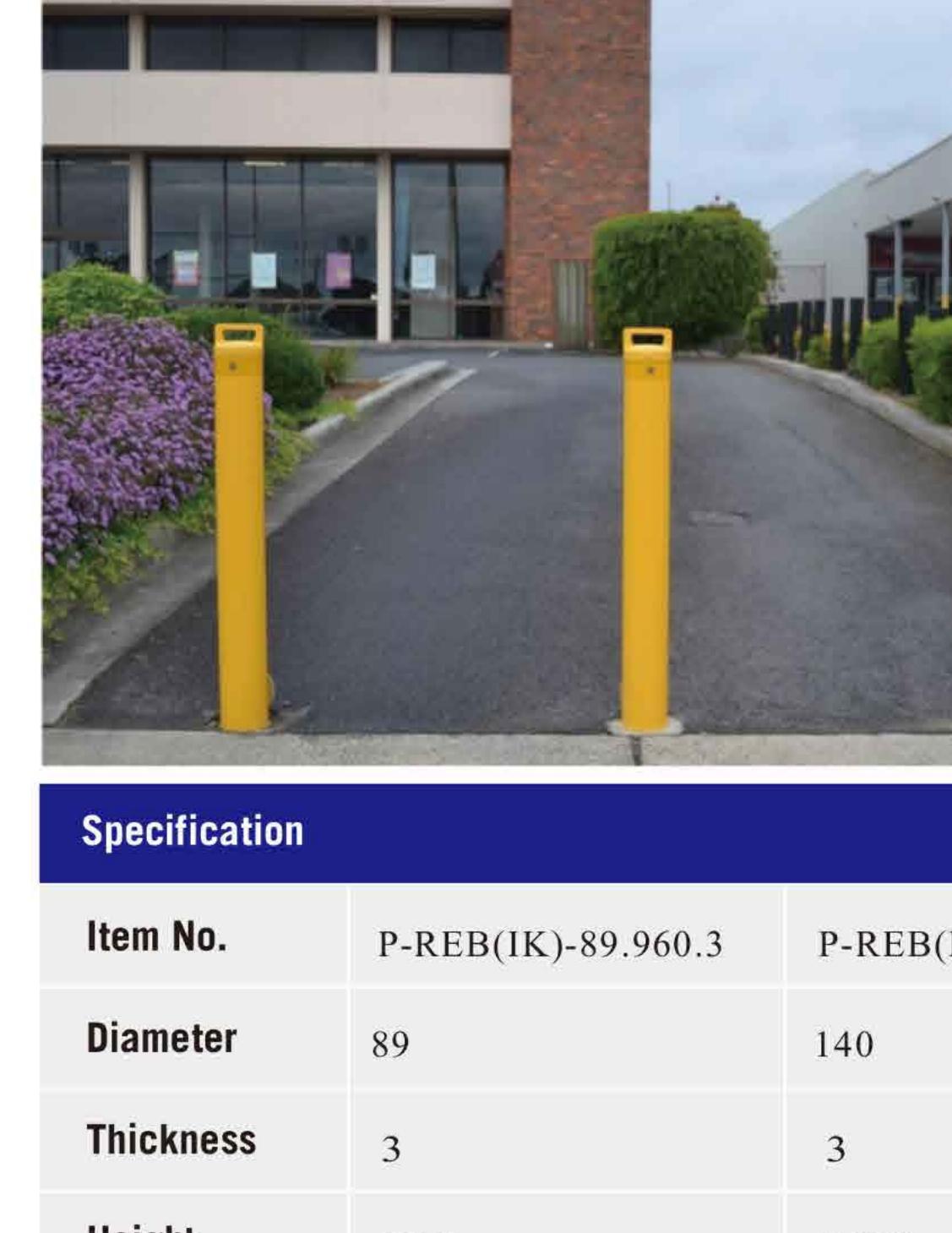
Features

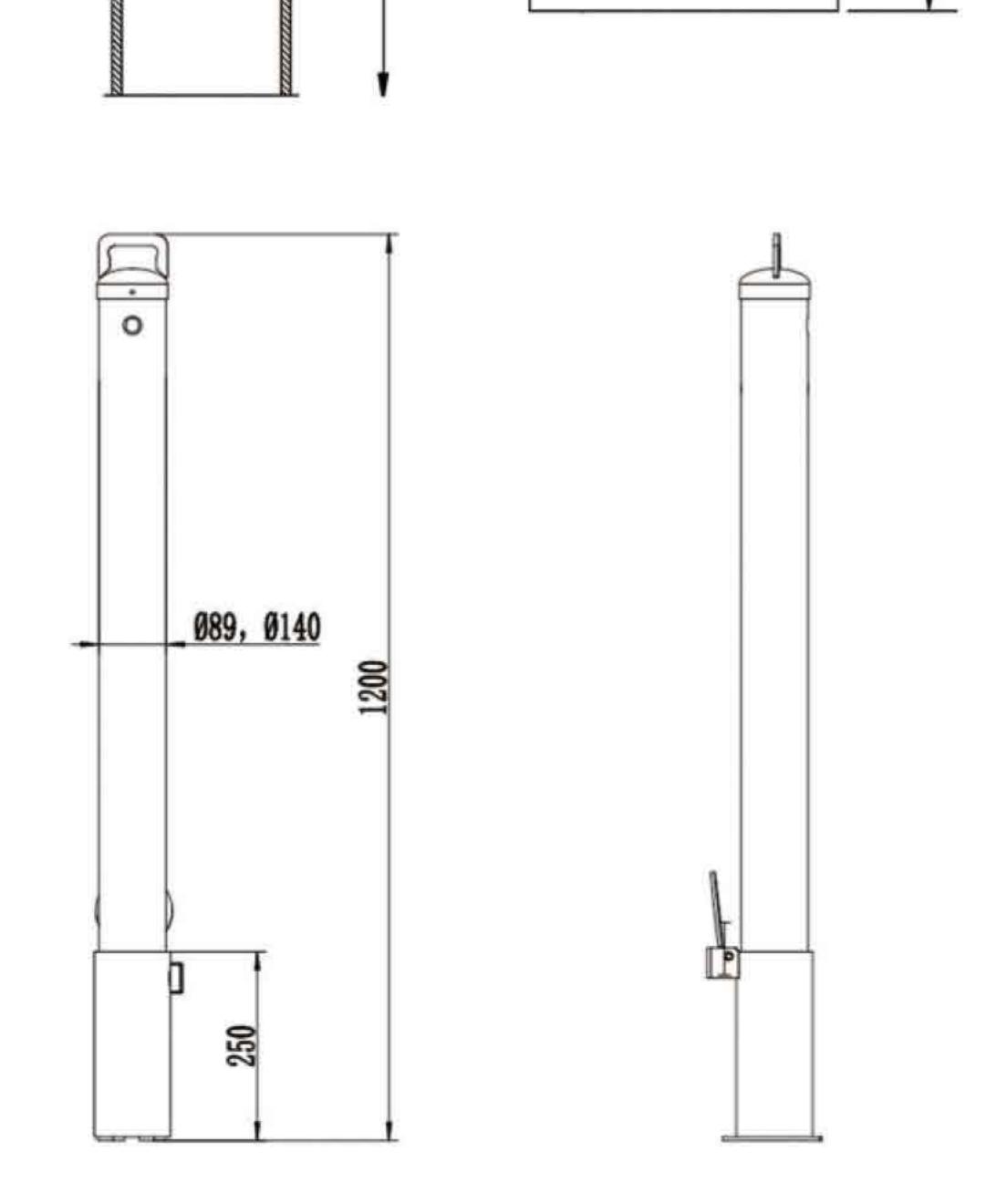
- Internal locking mechanism for extra security.
- Low cost installation and maintenance.
- Galvanized and powder coated as standard.
- Key differ or key alike both available.
- Post holders and hangers available for storing posts when idle.
- Mitred top or flap top available also.
- OEM also welcomed.

Optional

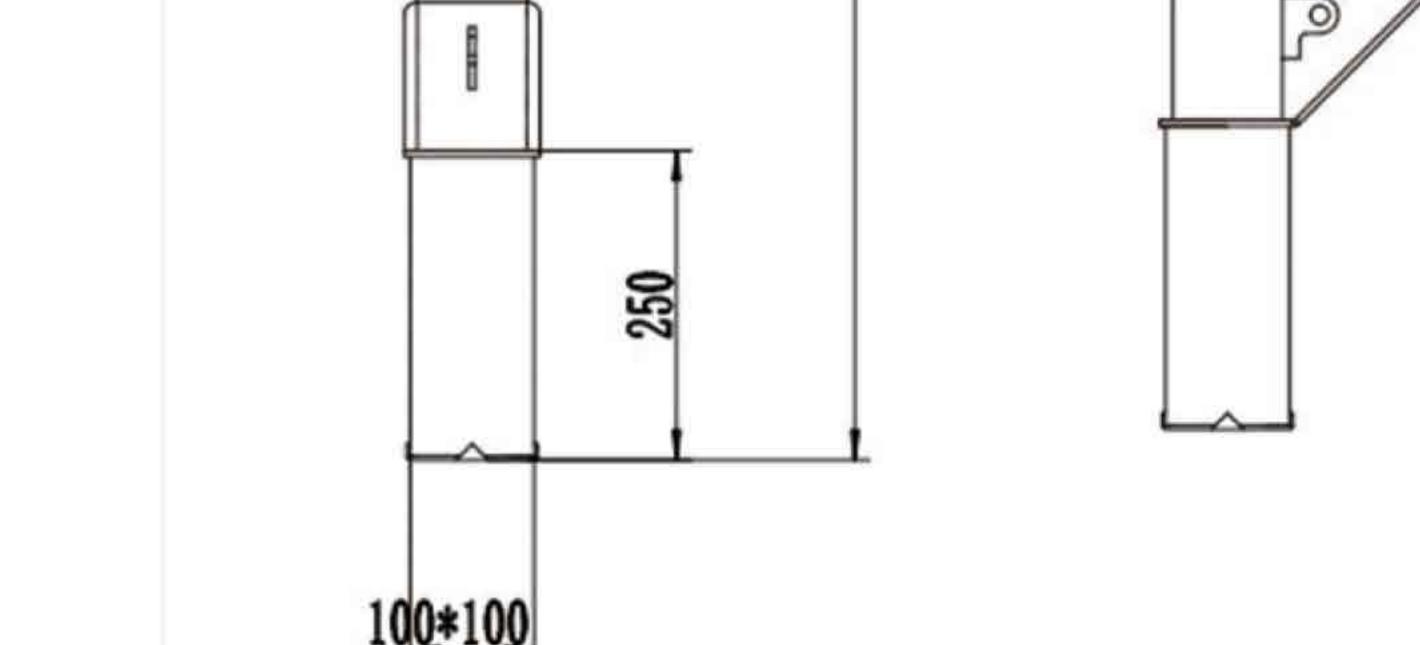
- Material: Carbon steel/304SS/316SS
- Reflective tape
- Other colors and size







Specification		
Item No.	P-REB(IK)-89.960.3	P-REB(IK)-140.1200.3
Diameter	89	140
Thickness	3	3
Height	900	1200
Material	Carbon steel	
Surface finish	Finished with galvanized and powder coated	
Others	Other size can be customized on request. 304,316 grade stainless steel option available.	



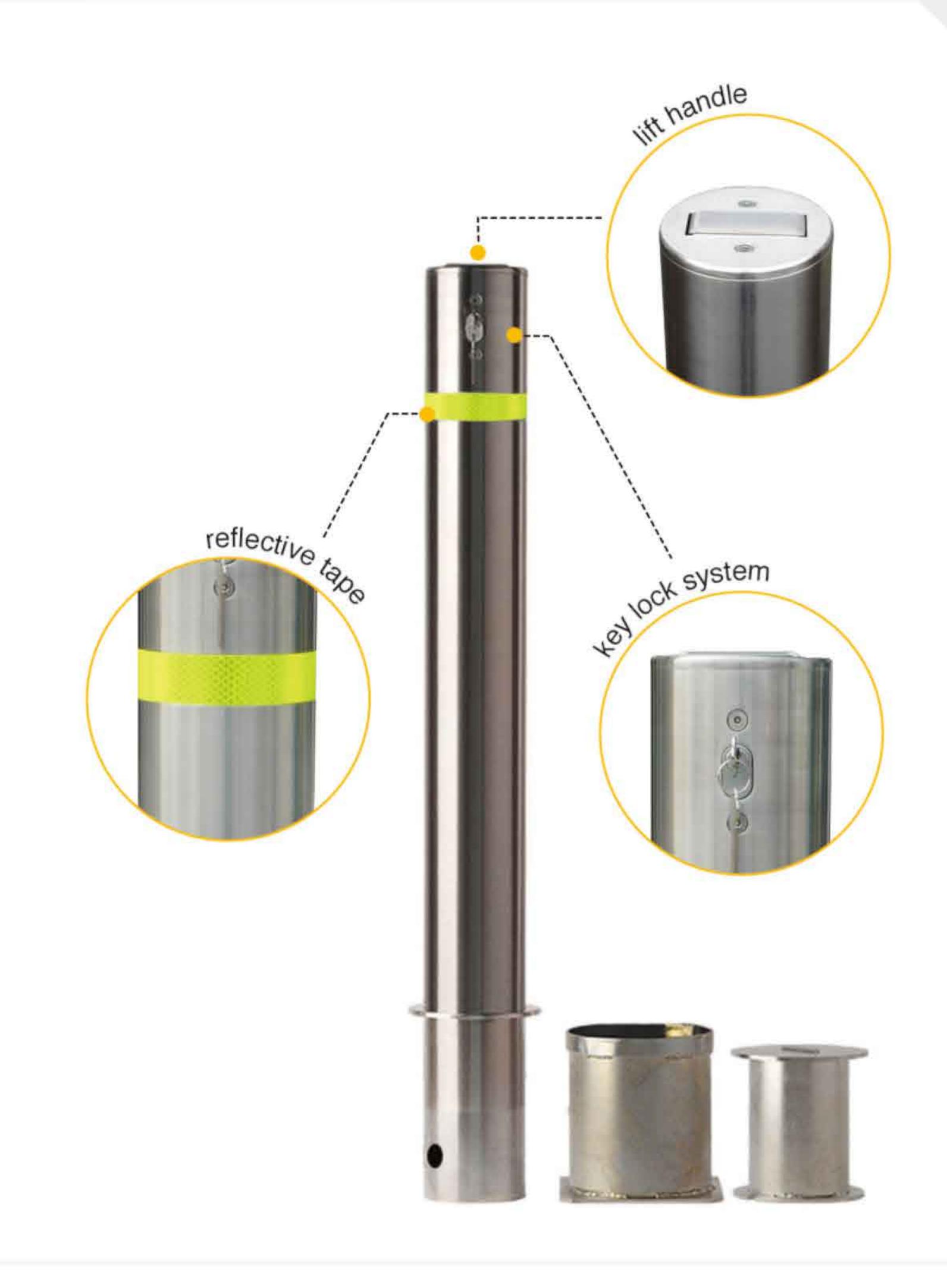


- Surface mounted.
- No extra depth digging.
- Easy installation.
- Galvanized and powder coated as standard.
- Can be customized to 304 or 316 grade stainless steel.

Optional

- Reflective tape.
- Extra base plate as parts.
- Fixings.

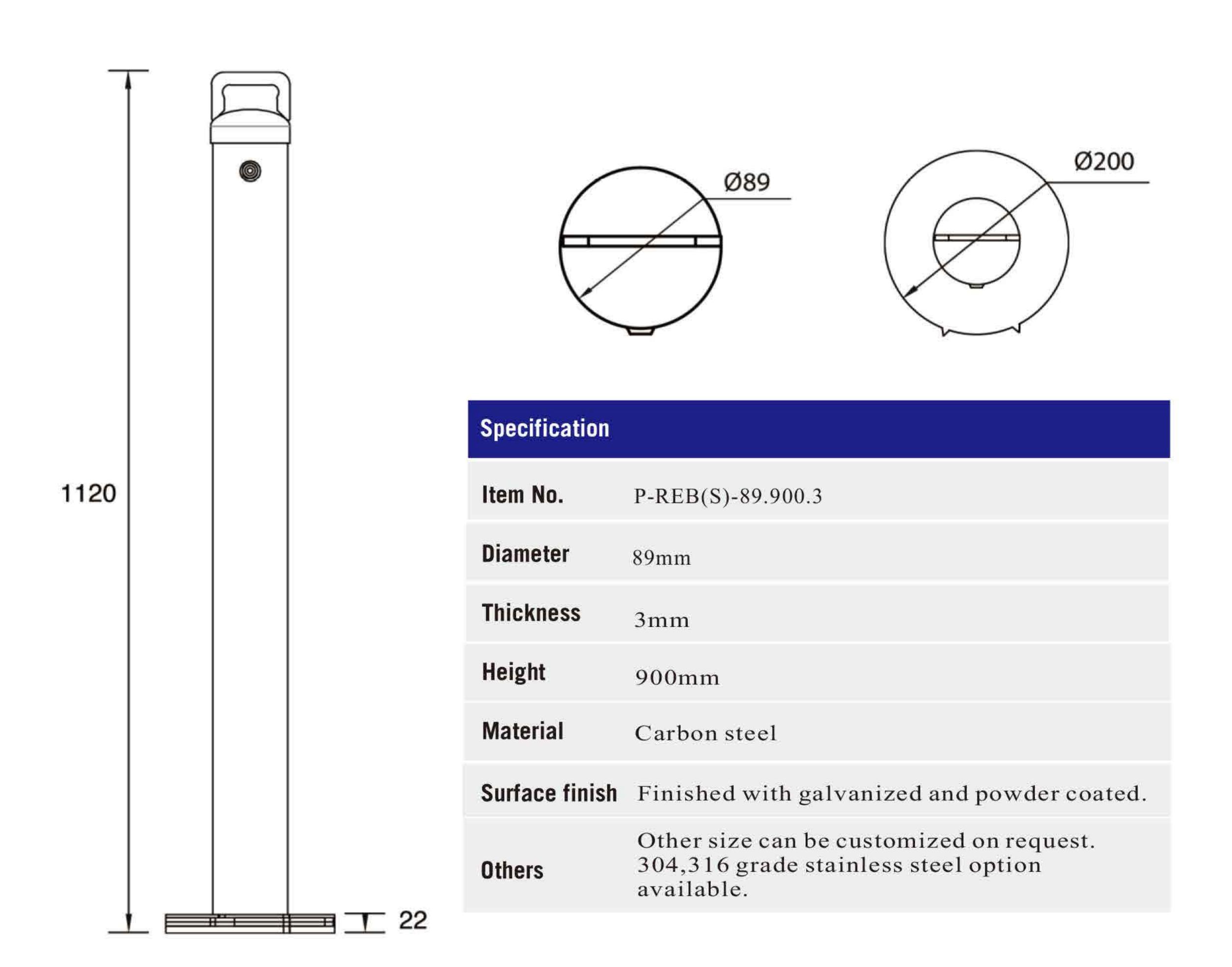


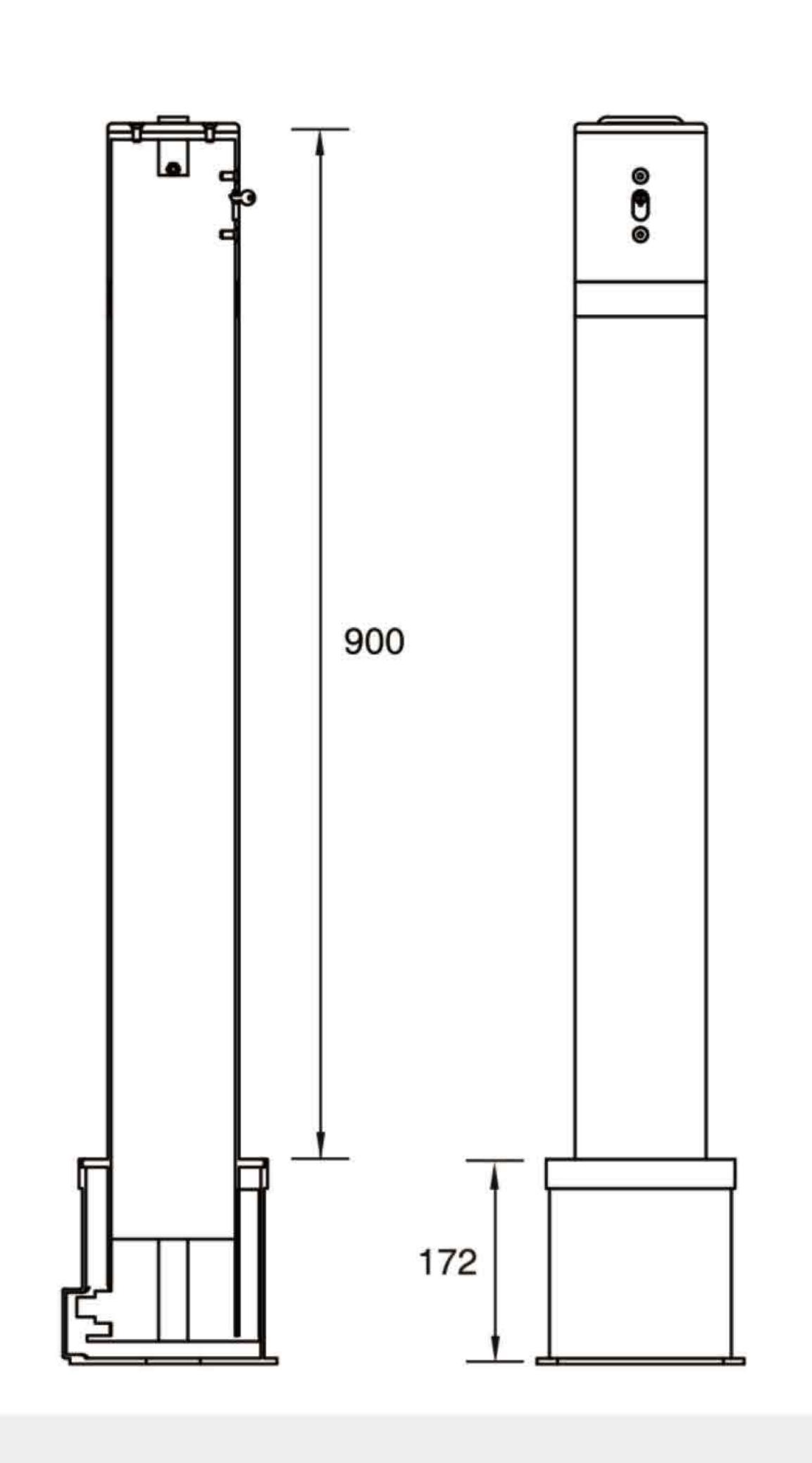


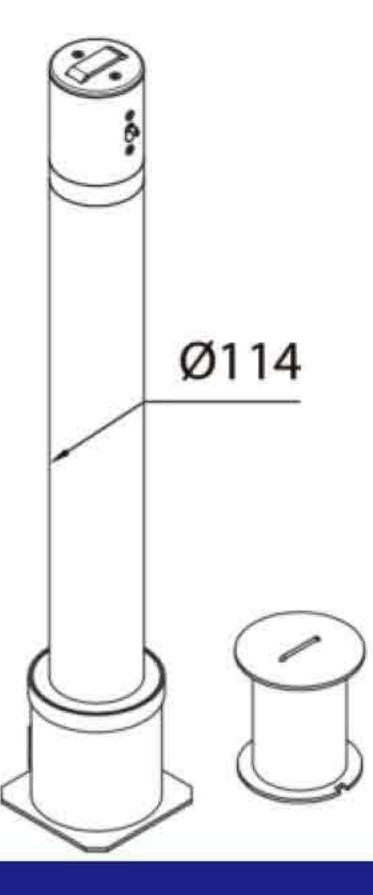
Features

- Lifted easily.
- Built-in lock system.
- Economical and easy to install.
- High resistance to corrosion and weathering.
- 3M diamond level reflective tape for warning.
- Excellent surface treatment-hairline polish.









Specification	
Item No.	P-REB(IO)-114.900.3
Diameter	114mm
Thickness	3mm
Height	900mm
Material	316 Grade stainless steel
Surface finish	High quality polished and brushed
Others	304 grade stainless steel and carbon steel also available





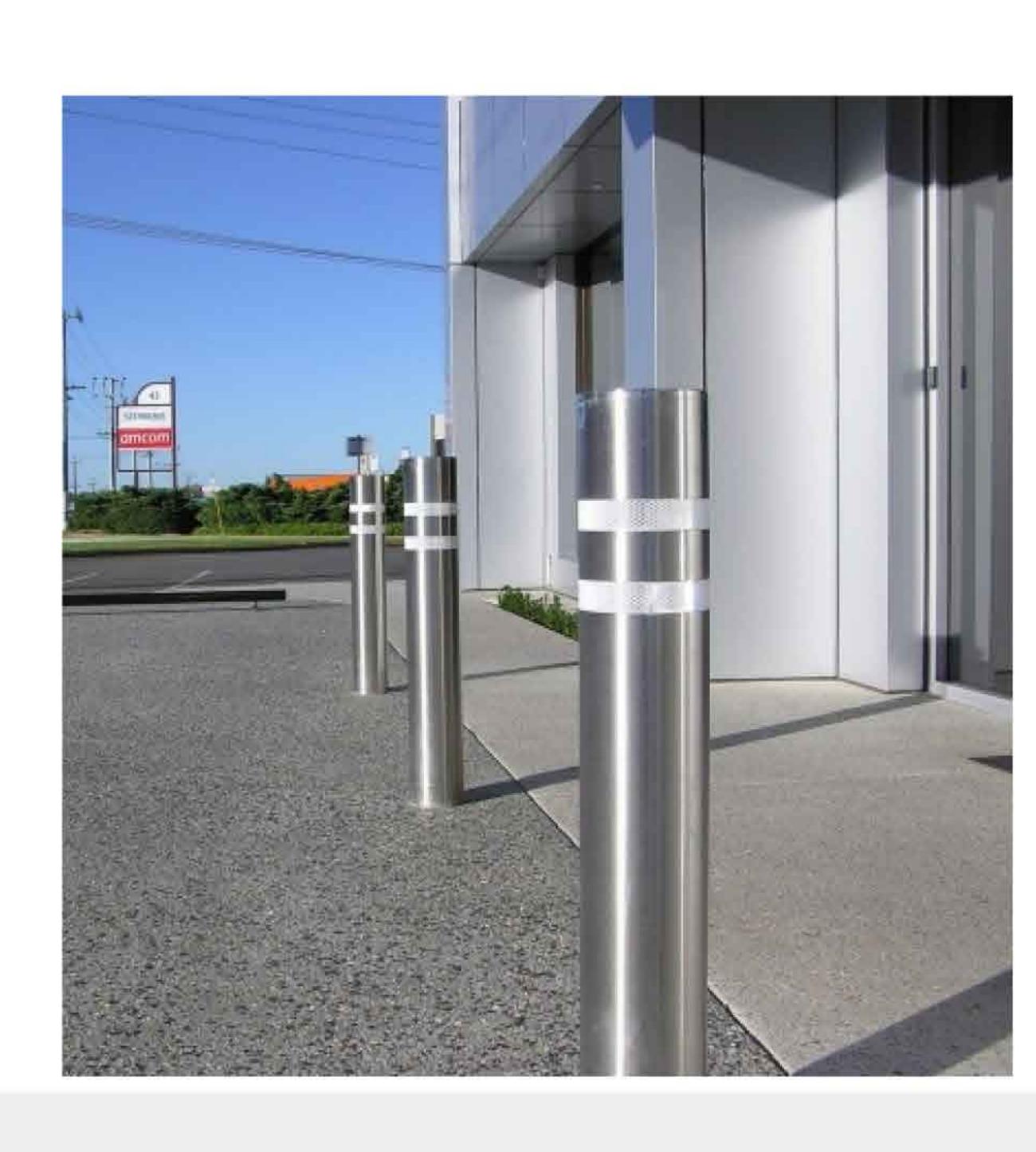
For over a decade Polite has been recognised as leader in retractable bollards, with a comprehensive range of products catering for vehicular access control and security applications.

Retractable bollards has distinct advantages over boom gates and other forms of vehicular access control as they provide much higher Impact rating and are pedestrian friendly.

There are two application-based product lines,
each offering a range of diameters in both galvanized steel and stainless
steel models

ADVANTAGES

- A single key-locking mechanism ensures quick and easy access to retricted areas
- The clean and versatile design is highly visible and available with alternative mountings for consistent aesthetics that suit any modern building or landscape.
- High-quality with surface treatment features high resistance to corrosion and wearing. Posts ship standard with 1 of 4 colored reflector stripes.

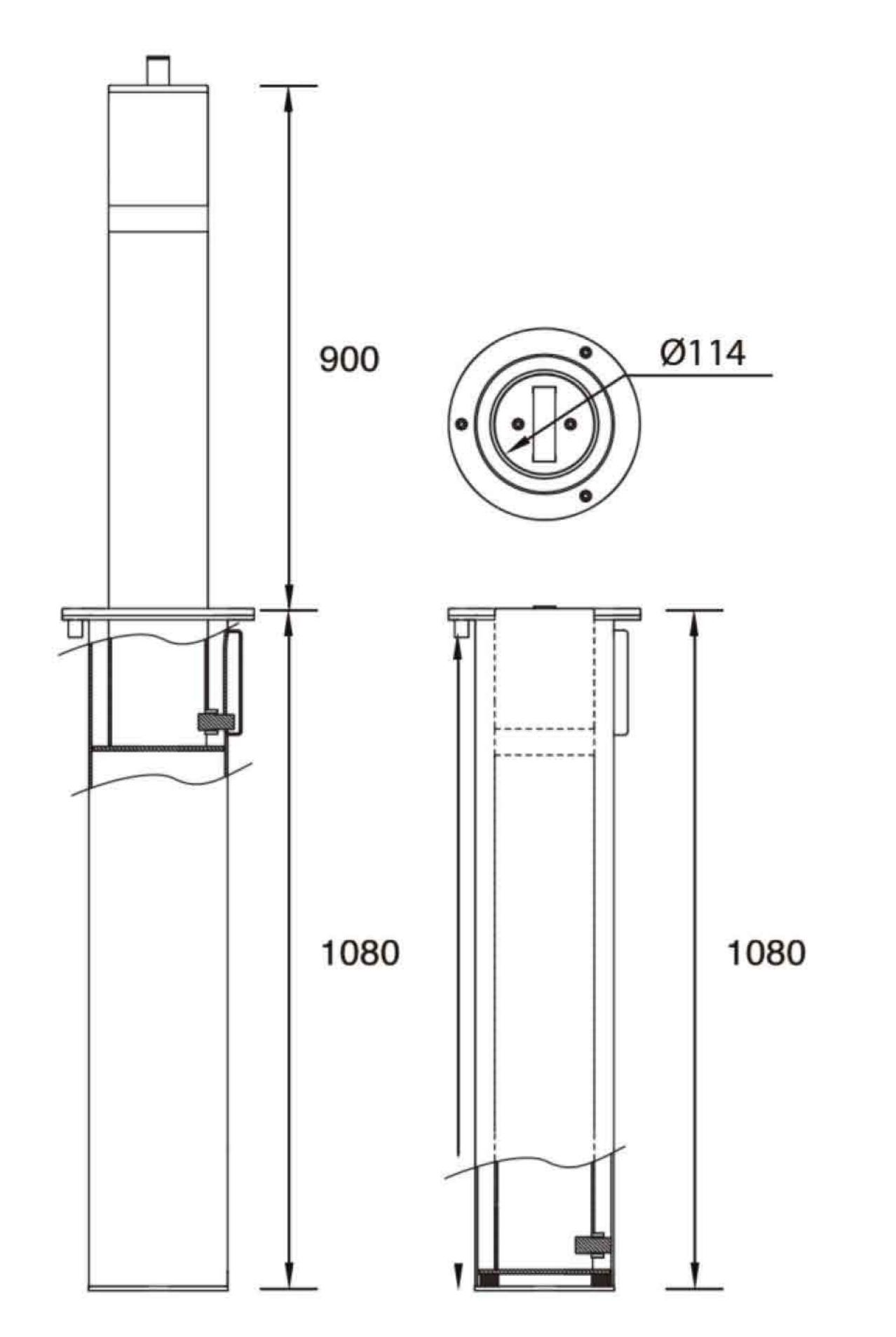


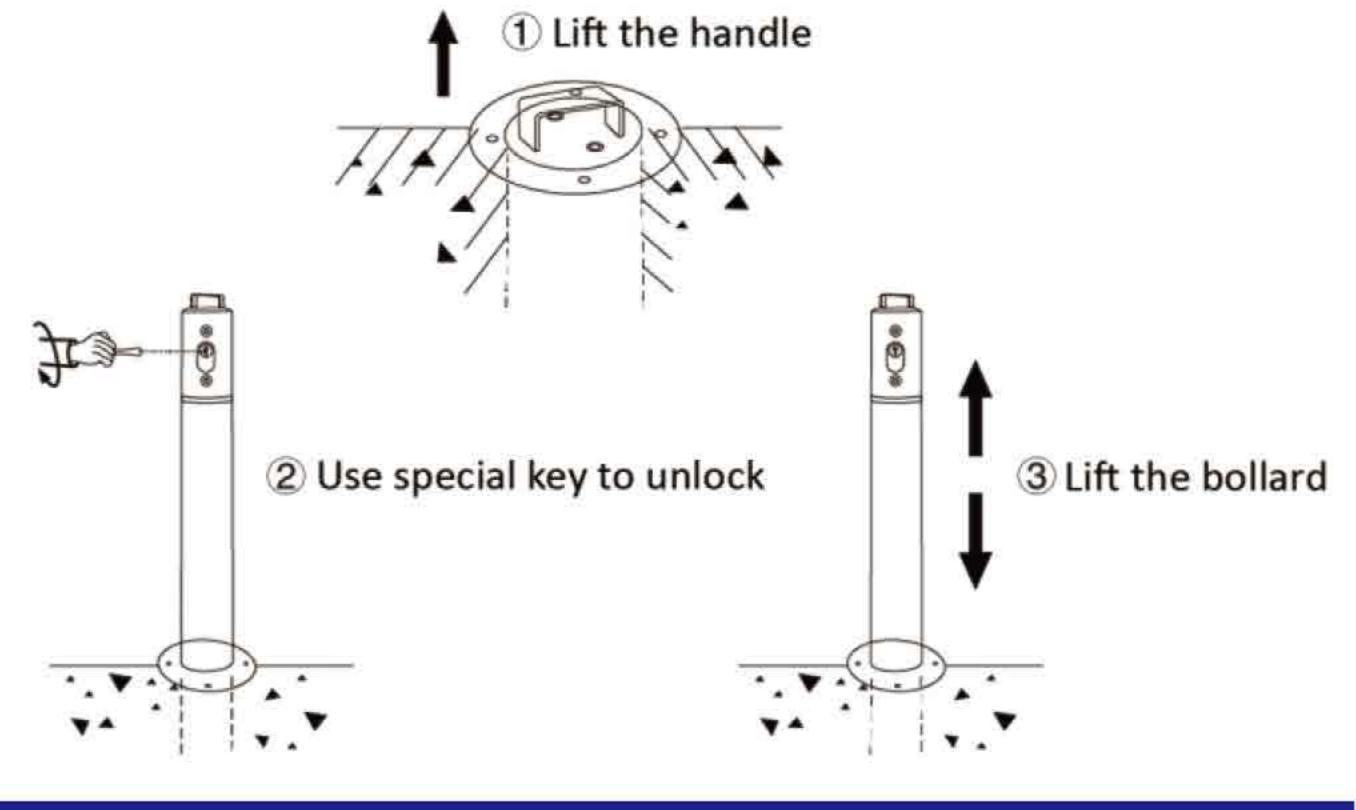


Advantage

- Lifted easily.
- Built-in lock system.
- Economical and easy to install.
- High resistance to corrosion and weathering.
- 3M diamond level reflective tape for warning.
- Excellent surface treatment-hairline polish.
- Color and material can be customized.
- One year standard warranty.







Specification	
Item No.	P-RCB(IO)-114.900.3
Diameter	114mm
Thickness	3mm
Height	900mm
Material	316 Grade stainless steel
Surface finish	High quality polished and brushed
Others	304 grade stainless steel and carbon steel also available

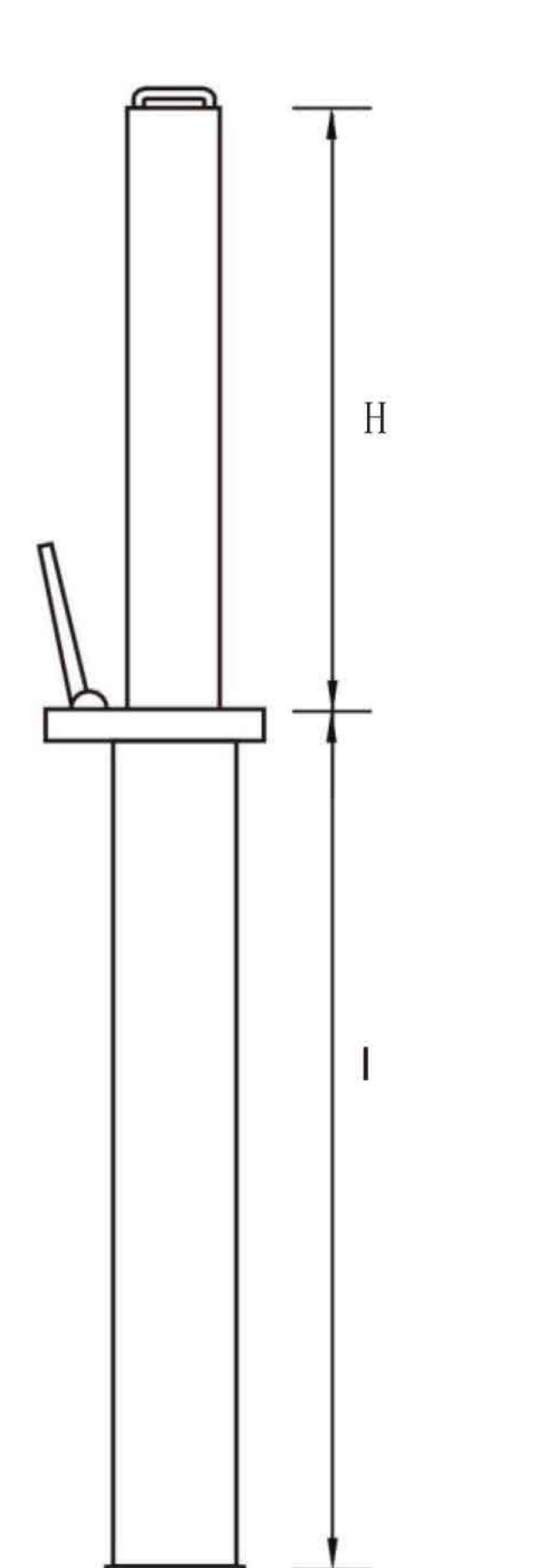


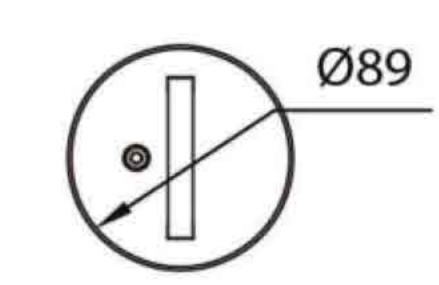
- Rotate the top cap to lock and unlock the post.
- Easy operation.
- Protective seal capping.
- Double guide rods guarantee stable operation.
- Finish with galvanized and powder coated as standard.

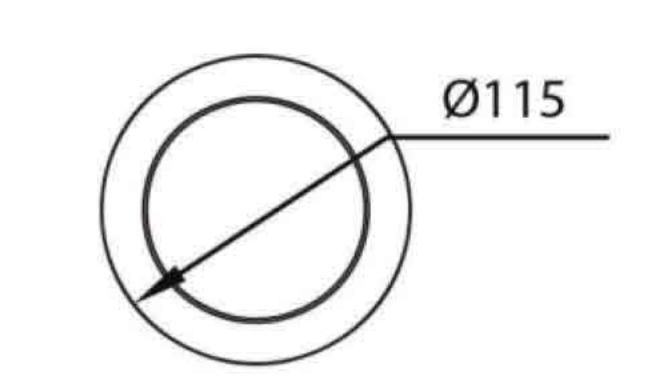
Optional

- · Different color.
- Different size.
- Square type









Specification			
Item No.	P-RCB(K)-89.600.3	P-RCB(K)-89.800.3	
Diameter	89mm	89mm	
Thickness	3 m	3mm	
Height	600mm	800mm	
Material	Carbon steel/304SS		
Surface finish	Carbon steel:Galvanized+powder coated 304SS:High quality stainless steel polished		
Others	316SS option available;Other size can be customized on request		



Polite folding down bollards are designed to protect your parking space and prevent people from doing U-turns or reversing in your driveway. Bright yellow powder coating ensures high visibility



FEATURE

- Easy lift and fold down mechanism.
- Inregral lock.No need for additional.
- Painted yellow for high visibility.
- Simple to fit.Full fitting instruction supplied.
- Supplied with two keys as standard.
- Available key alike or key differ.

APPLICATION

- Underground parking lot.
- Ipersonal parking space.
- Office building.

ADVANTAGE

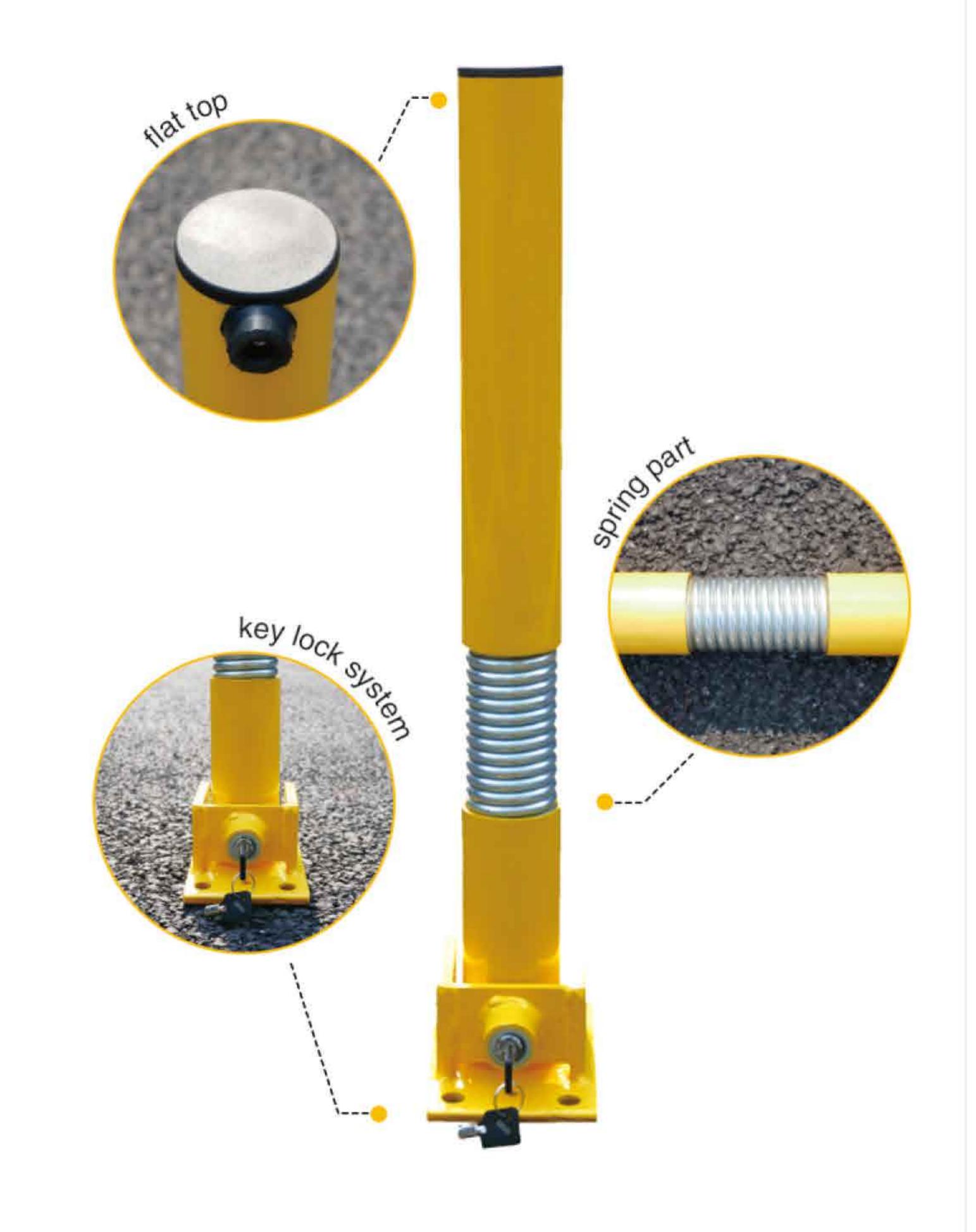
Protect your pravite parking space.





- Easy lift and fold down mechanism.
- Inregral lock.No need for additional.
- Paint yellow for high visibility.
- Simple to fit.Full fitting instruction supplied.
- Supplied with two keys as standard.
- Available key alike or key differ.

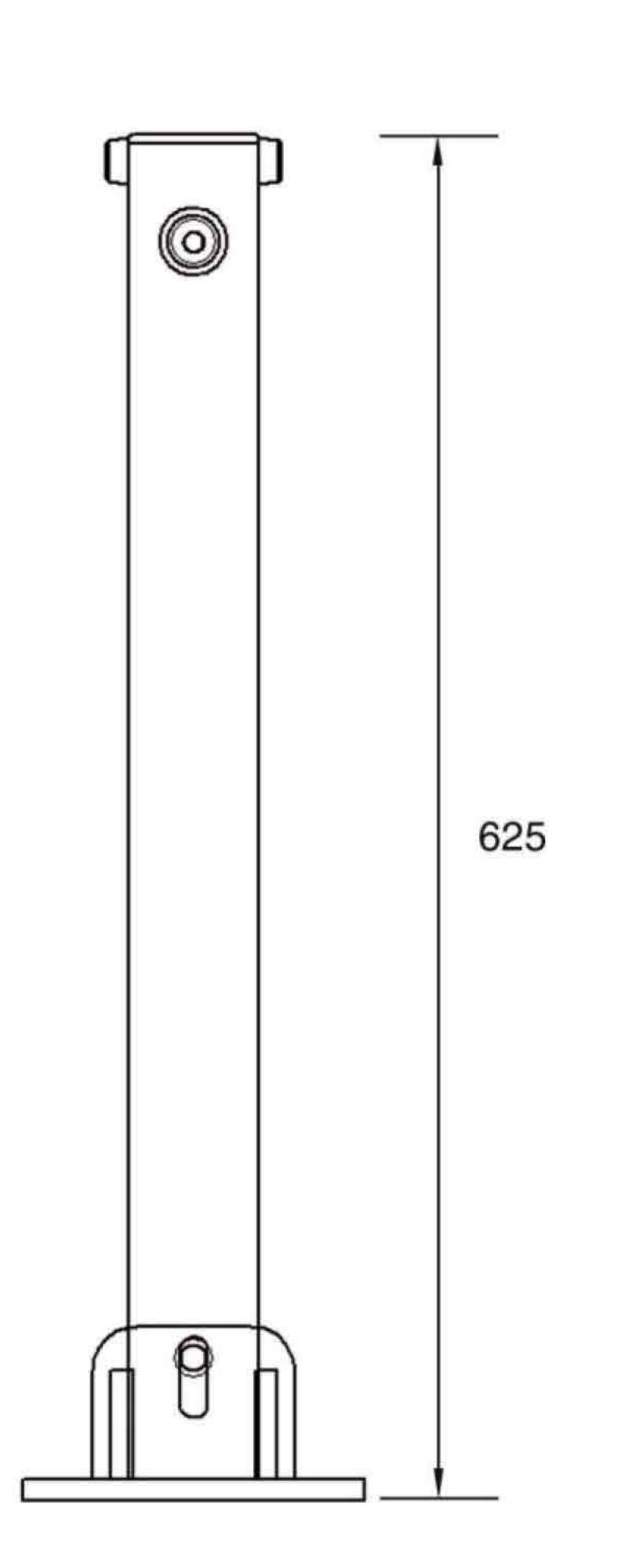


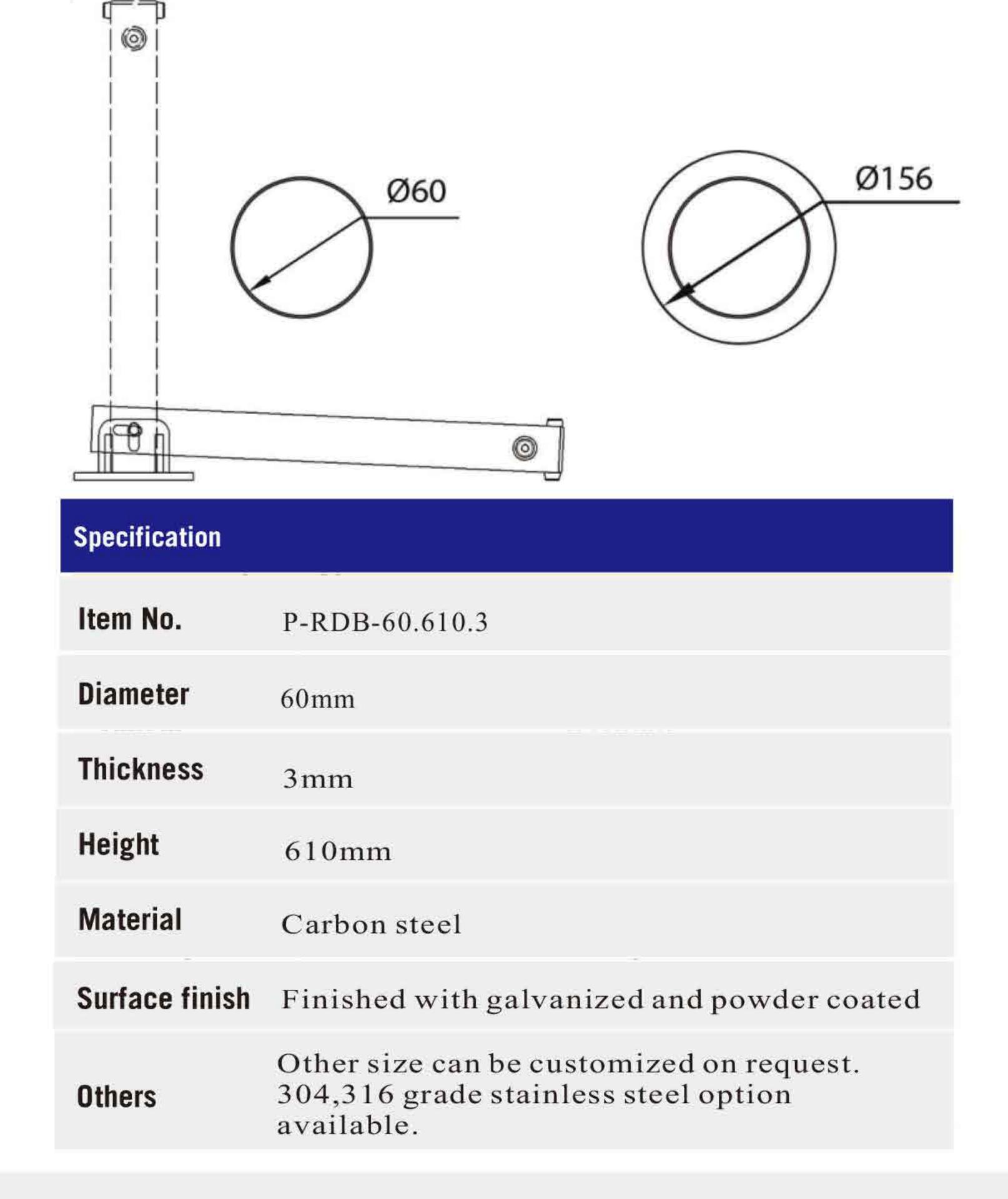


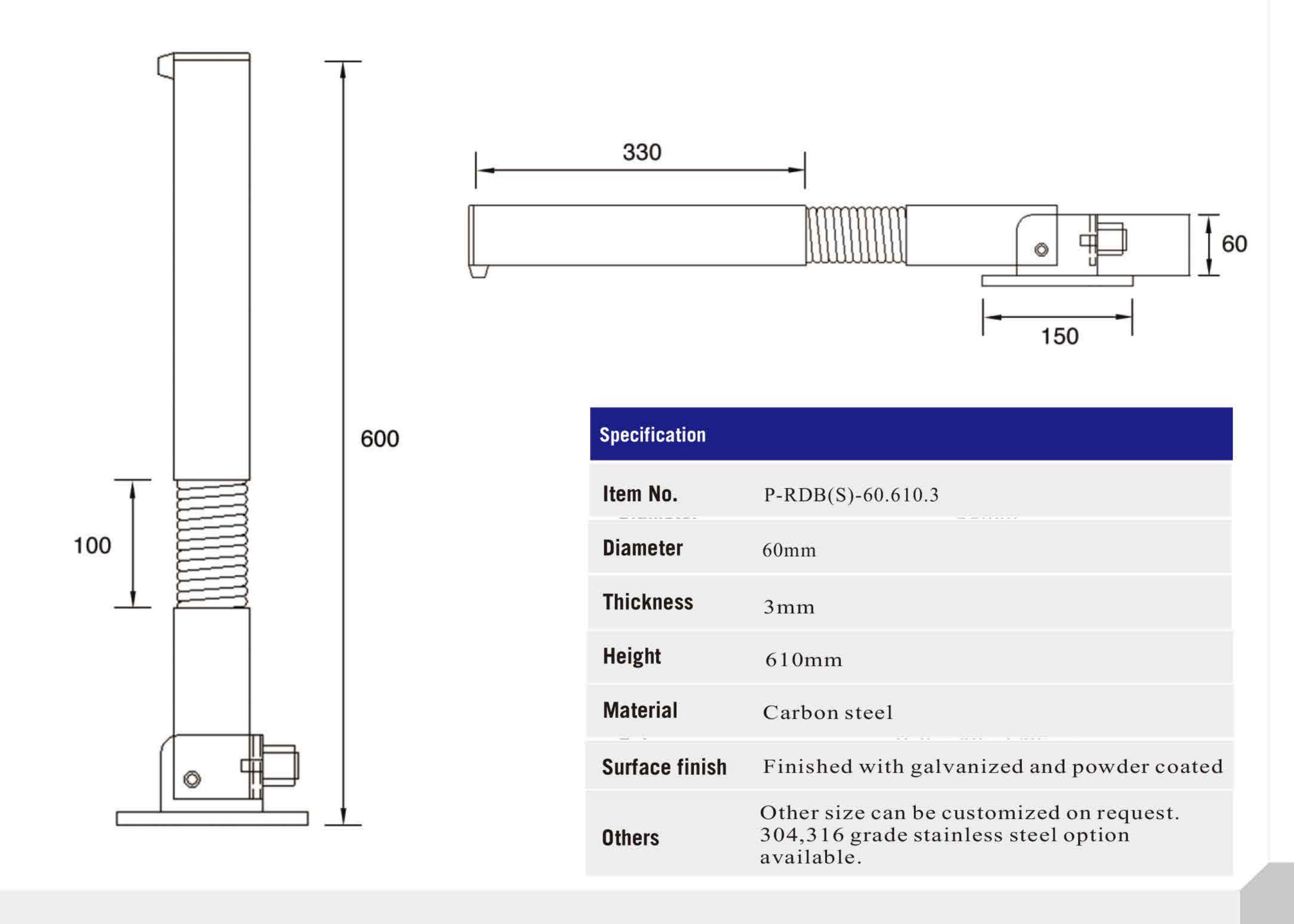
Features

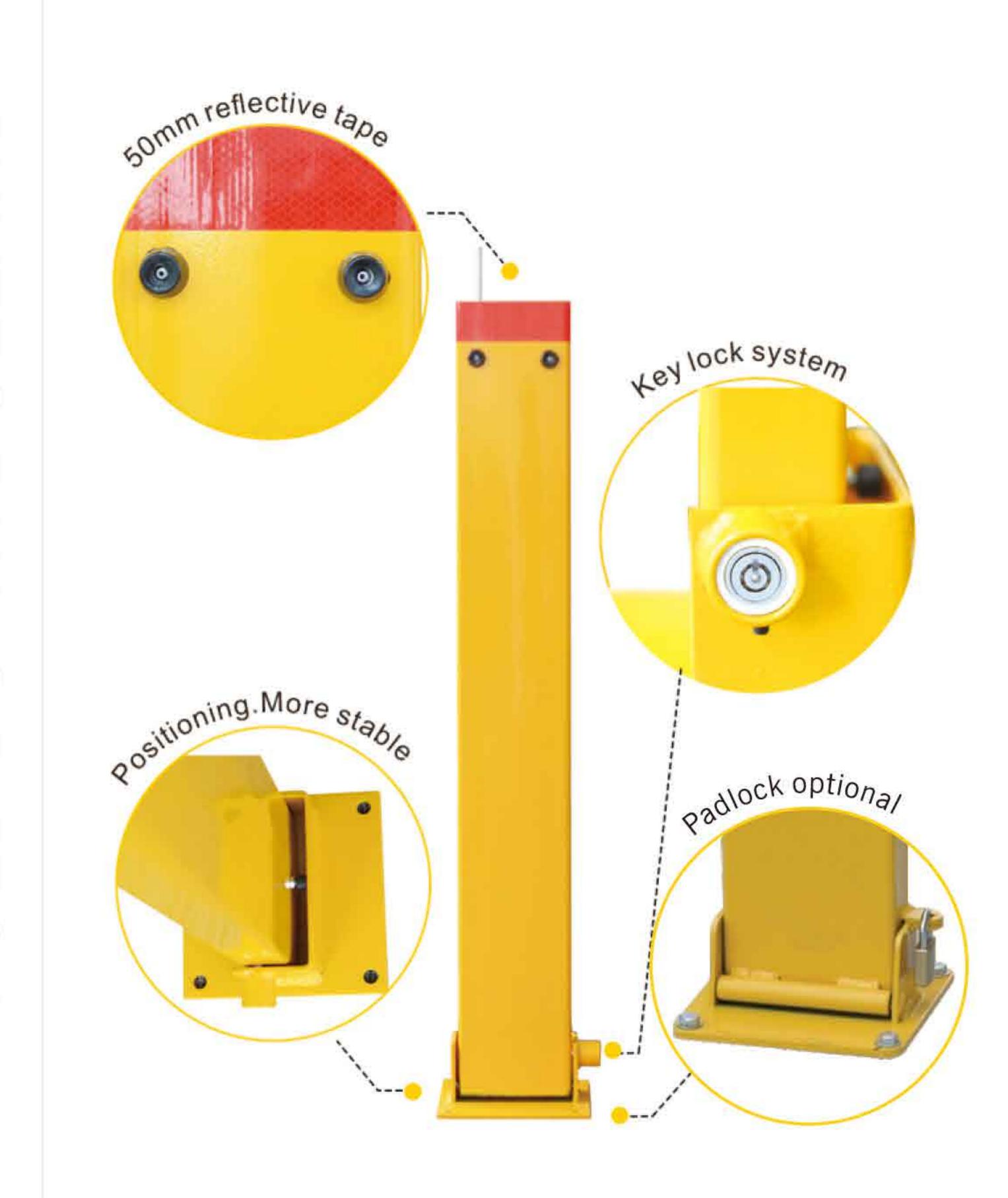
- Easy lift and fold down mechanism.
- Inregral lock.No need for additional.
- Paint yellow for high visibility.
- Simple to fit.Full fitting instruction supplied.
- Supplied with two keys as standard.
- Available key alike or key differ.









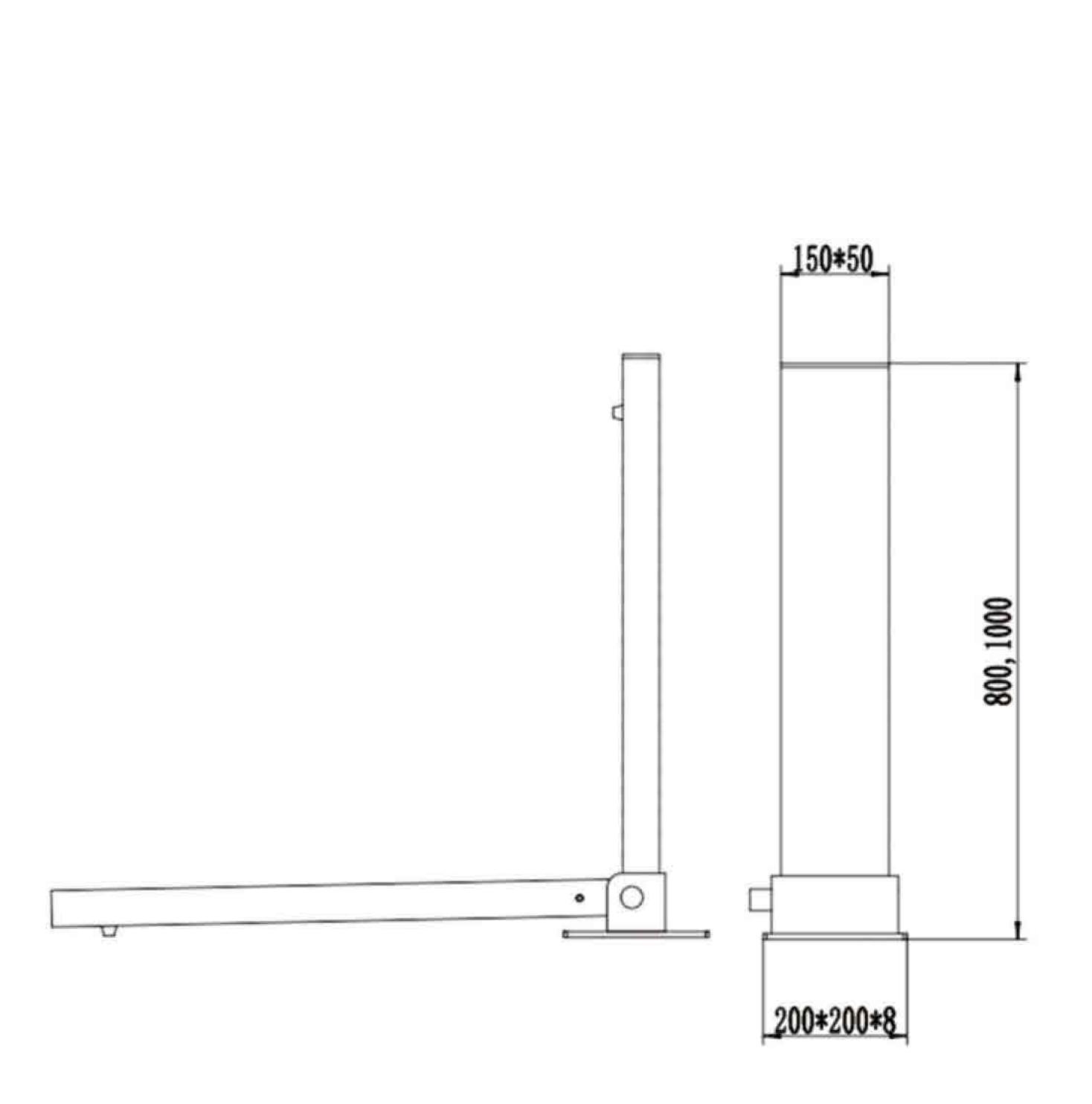


- Standard 800mm tall when locked.
- Only 80mm high when unlocked.
- Key locked model includes two keys.
- Galvanized and powder coated as standard.
- Low cost in installation and maintenance.
- Available key alike or key differ.

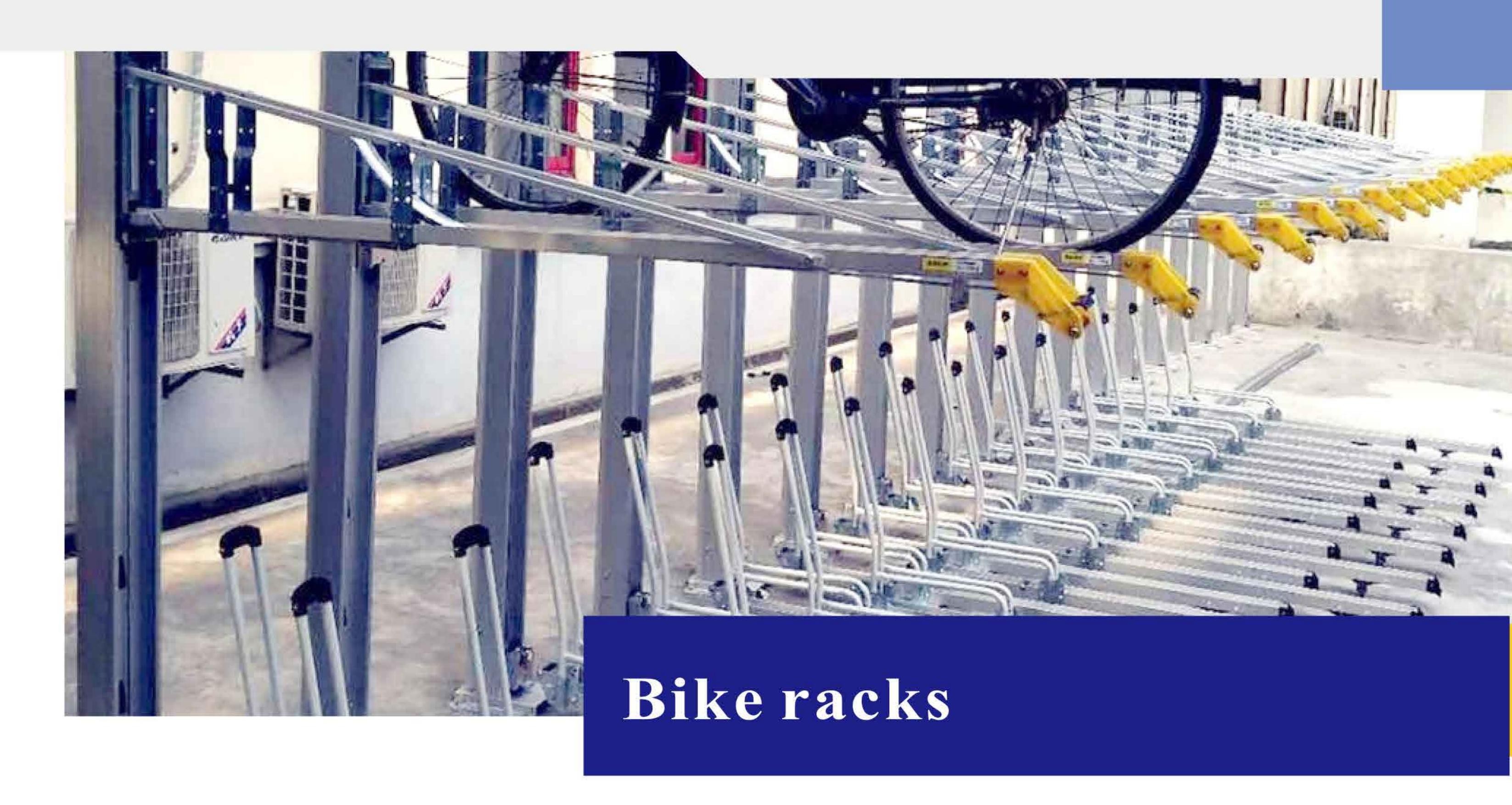
Optional

Padlock option available

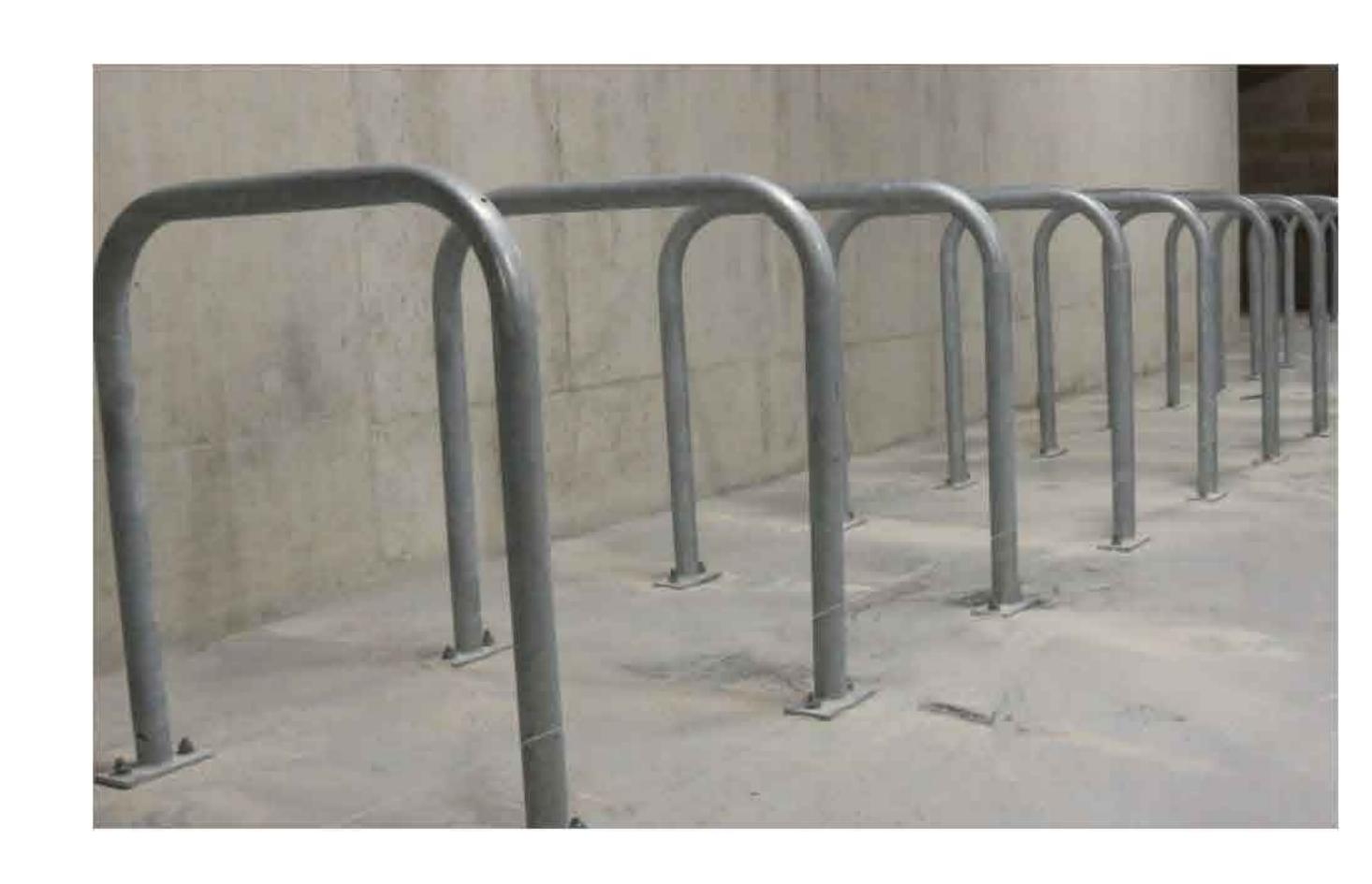
Specification			
Item No.	P-FDB(KP)-150.800.3-0	P-FDB(PP)-150.800.3-0	
Length	150mm	150mm	
Width	50m	50mm	
Thickness	3 m	3mm	
Height	800mm	800mm	
Lock system	Keylock	Padlock	
Material	Carbon stee		
Surface finish	Galvanized+powder coated		
Others	316SS option available; Other size can be customized on request		







Polite has a wide range of bicycle racks to suit a variety of applications. Standard styles include U shape rack, grid rack and double deck rack. We also offer a custom manufacture service for your own design requirements.



Application

- Commercial retail locations.
- Multi-family residential buildings.
- Public schools.
- University and college campuses.
- Parks.
- Street scapes and sidewalks.
- Indoor and outdoor parking lots and garages.
- Other public spaces.

Features

- Max up to 14 bikes capacity.
- Different color options.
- Fits multiple bike sizes
- Powder coated or hot galvanized steel to protect from rust and corrosion.
- User friendly



- Two bike capacity.
- In ground or surface mounted both available.
- · Economical.
- Fits multiple bike sizes.
- · Hot dip galvanized steel to protect from rust and corrosion.
- 304 and 316 grade stainless steel optional available.

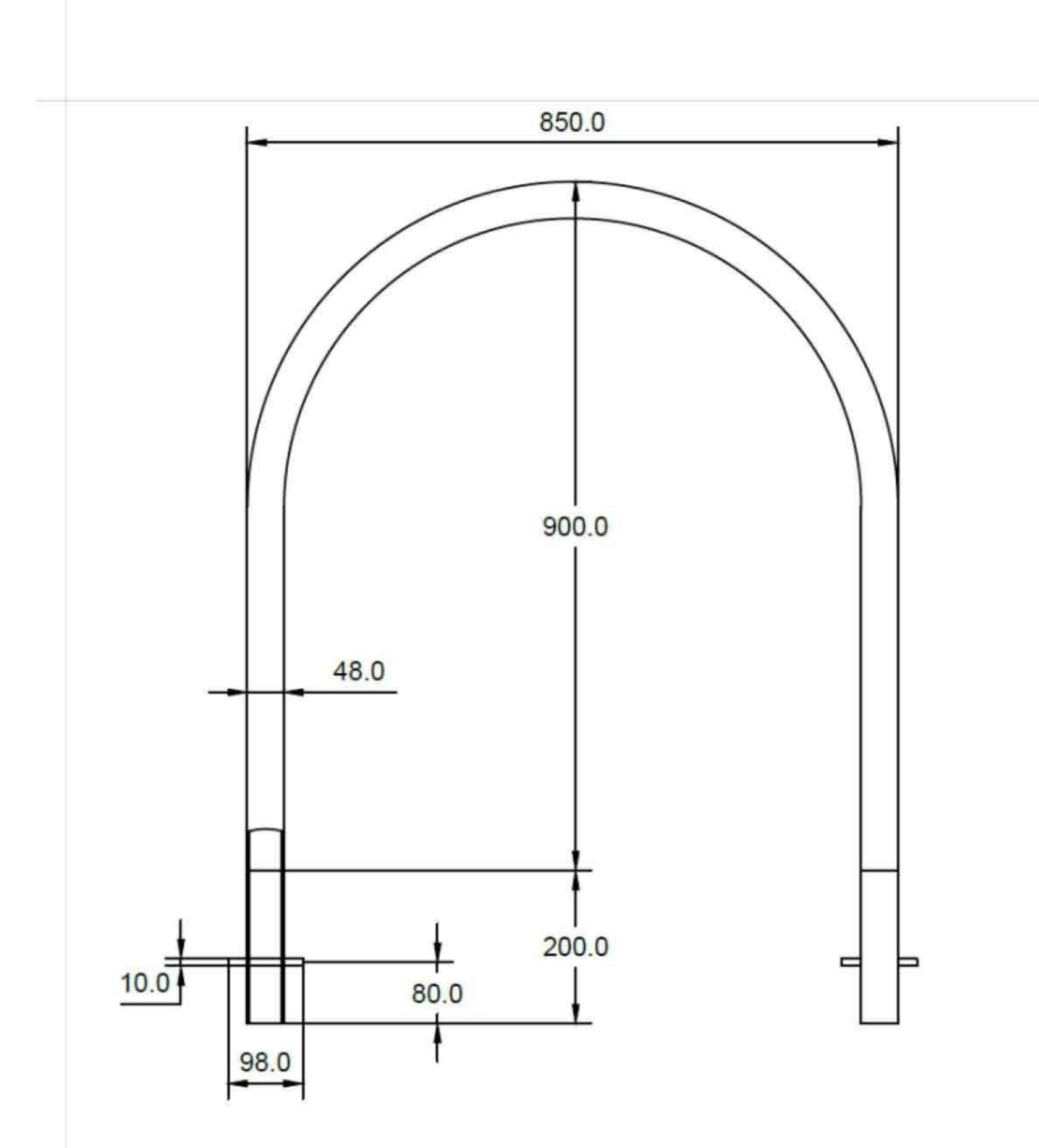


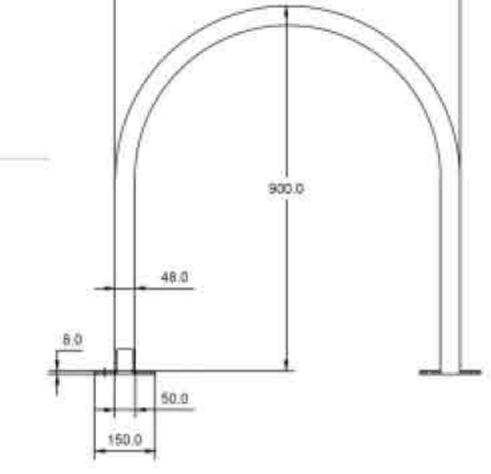


Features

- Two bike capacity.
- In ground or surface mounted both available.
- Economical.
- Fits multiple bike sizes.
- Hot dip galvanized steel to protect from rust and corrosion.
- 304 and 316 grade stainless steel optional available.



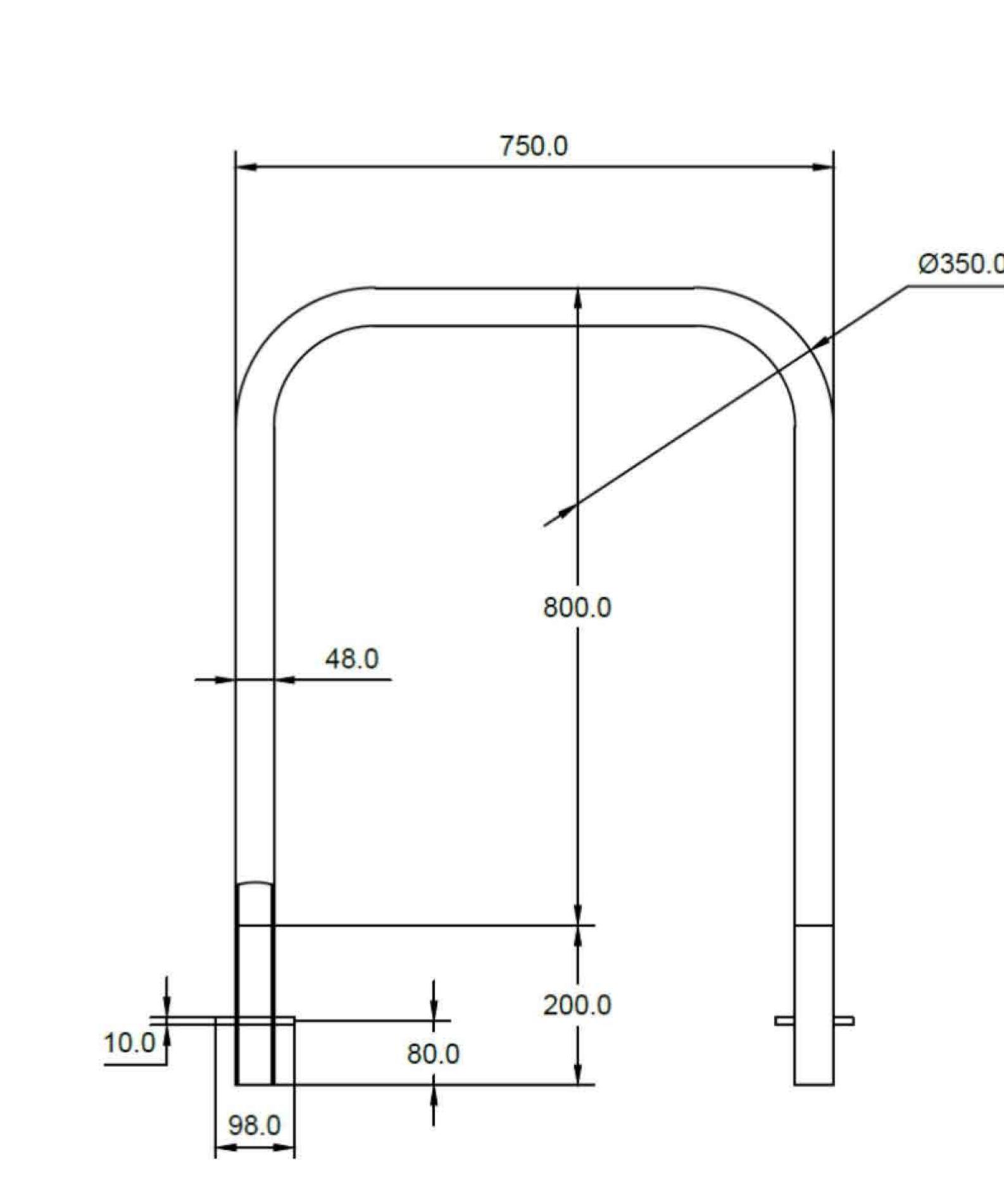


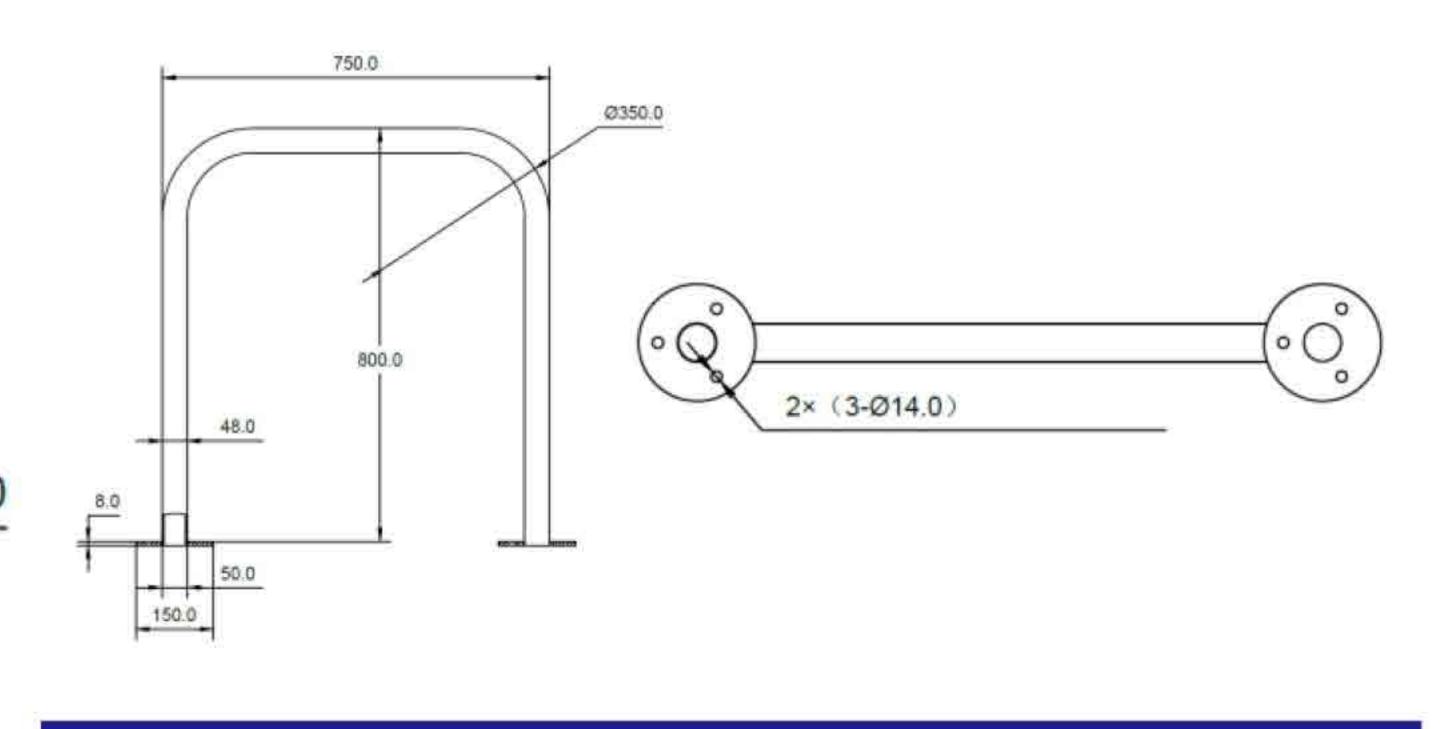


Item No.

n		
	P-BR-H01(S)	P-BR-H01(I)
	800mm	800mm
	800mm	800+300mm

Tube diameter	48mm	48mm	
Thickness	3mm	3mm	
Base plate size	D150*T8mm	/	
Material	Carbon steel/304SS/316SS		
Surface finish	Carbon steel:Galvanized+powder coated 304SS/316SS:High quality stainless steel polished		





Specification			
Item No.	P-BR-H02(S)	P-BR-H02(I)	
Width	800mm	800mm	
Height	850mm 900+200mm		
Tube diameter	48mm	48mm	
Thickness	3mm	3mm	
Base plate size	D150*T8mm /		
Material	Carbon steel/304SS/316SS		
Surface finish	Carbon steel:Galvanized+powder coated 304SS/316SS:High quality polished		

- 2 to 6 bike single sided racks.
- Racks can be joined together for creating larger capacity bike racks.
- Each cycle rack is 550mm deep and 415mm height.
- Hot dip galvanized steel construction for long life.
- Accepts tyre widths up to 400mm.
- Accessible from one side only.
- Easy self assembly.

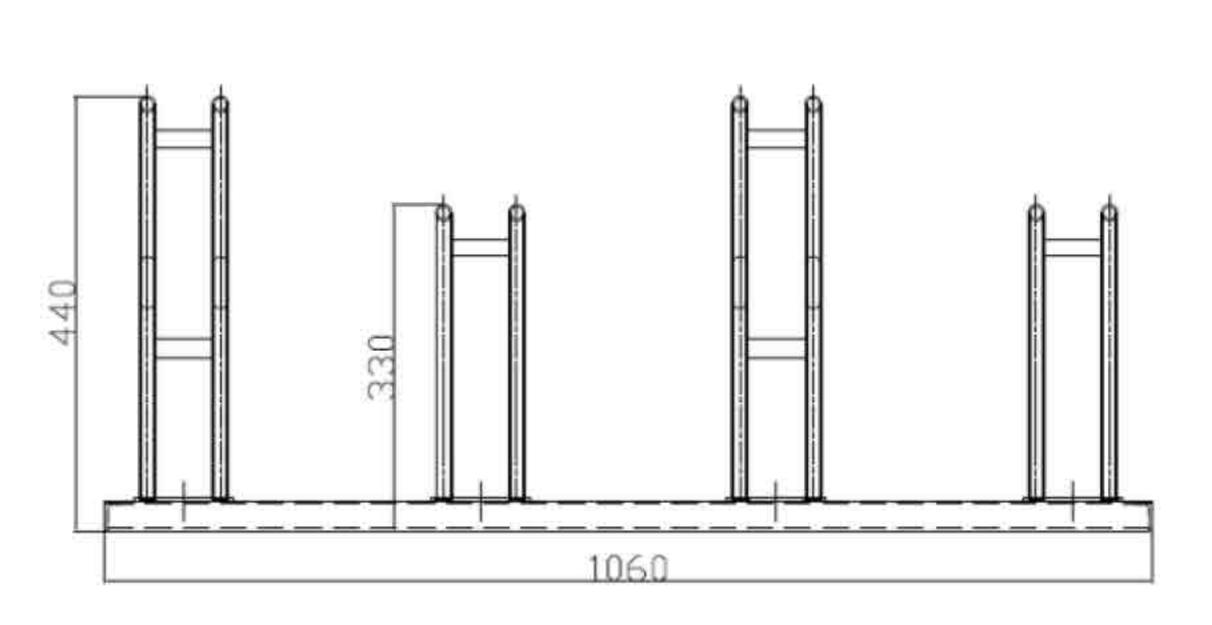


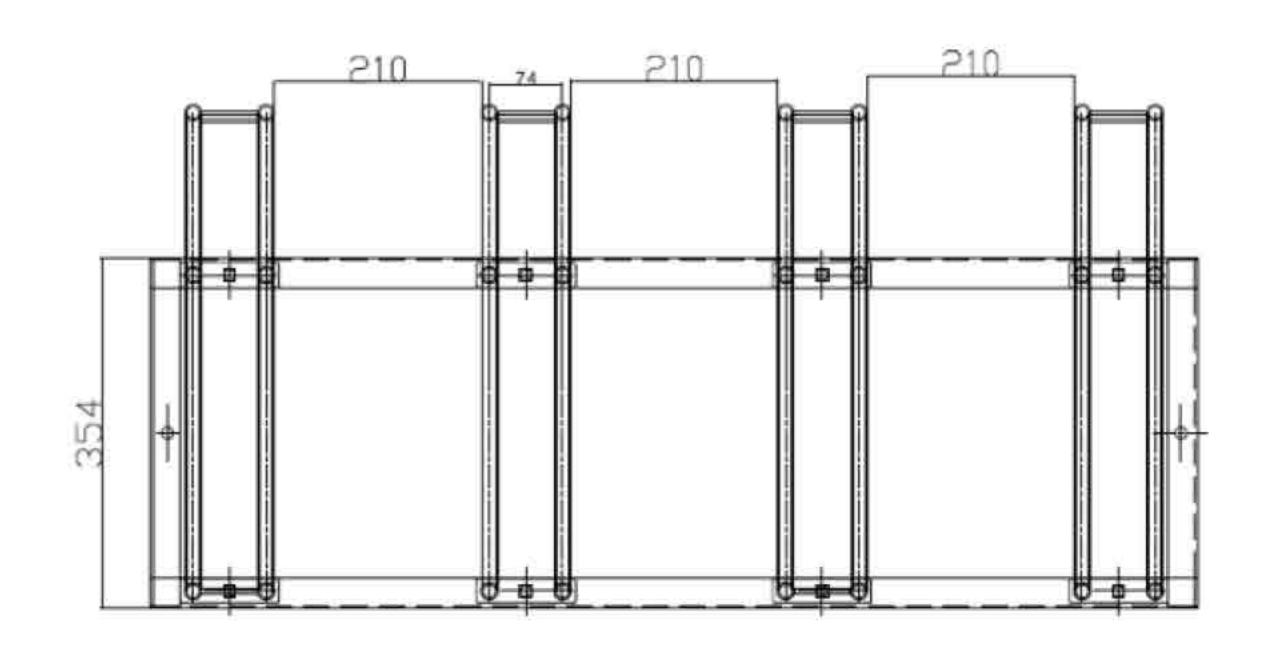


Features

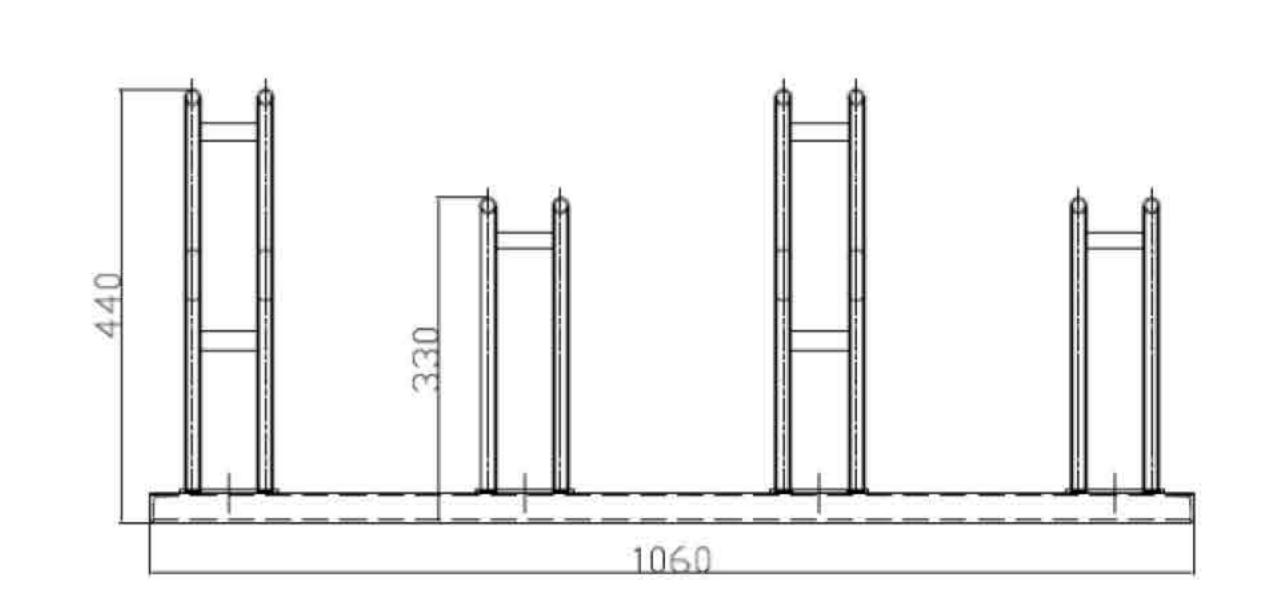
- 2 to 6 bike single sided racks.
- Racks can be joined together for creating larger capacity bike racks.
- Each cycle rack is 550mm deep and 415mm height.
- Hot dip galvanized steel construction for long life.
- Accepts tyre widths up to 400mm.
- Accessible from one side only.
- Easy self assembly.

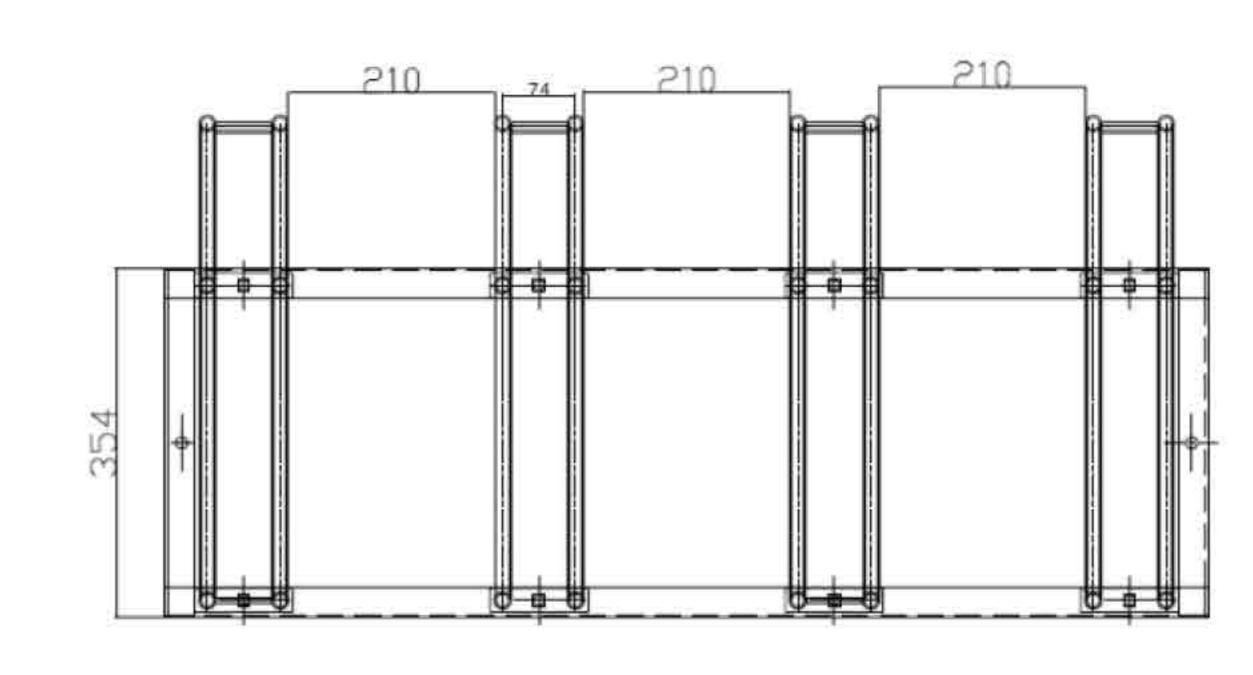






Specification					
Item No.	P-BR-G01-2	P-BR-G01-3	P-BR-G01-4	P-BR-G01-5	P-BR-G01-6
Bike Capacity	2 bikes	3 bikes	4 bikes	5 bikes	6 bikes
Length	700mm	1050mm	1400mm	1750mm	2100mm
Width	530mm	530mm	530mm	530mm	530mm
Height	440mm	440mm	440mm	440mm	440mm
Tube diameter	16mm	16mm	16mm	16mm	16mm
Tube thickness	1.5mm	1.5 mm	1.5mm	1.5mm	1.5mm
Material	Carbon steel				
Surface finish	Hot dip galvanized as standard. Powder coated optional available.				
Others	Other size can be customized on request.				





Specification					
Item No.	P-BR-G02-2	P-BR-G02-3	P-BR-G02-4	P-BR-G02-5	P-BR-G01-6
Bike Capacity	2 bikes	3 bikes	4 bikes	5 bikes	6 bikes
Length	700mm	1050mm	1400mm	1750mm	2100mm
Width	530mm	530mm	530mm	530mm	530mm
Height	440mm	440mm	440mm	440mm	440mm
Tube diameter	16mm	16mm	16mm	16mm	16mm
Tube thickness	1.5mm	1.5mm	1.5mm	1.5mm	1.5mm
Material	Carbon steel				
Surface finish	Hot dip galvanized as standard. Powder coated optional available.				
Others	Other size can be customized on request.				



- · Bolt on to wall.
- Each rail provides storage for a single bike.
- Suit bikes with full length mud guards.
- Available in black powder coated.
- Can be used with custom framing-on wall nedded.

Optional

- Hot dip galvanized.
- Stainless steel.
- Fixed to support framing.
- 125mm(W)*700mm(H)*600mm(D)





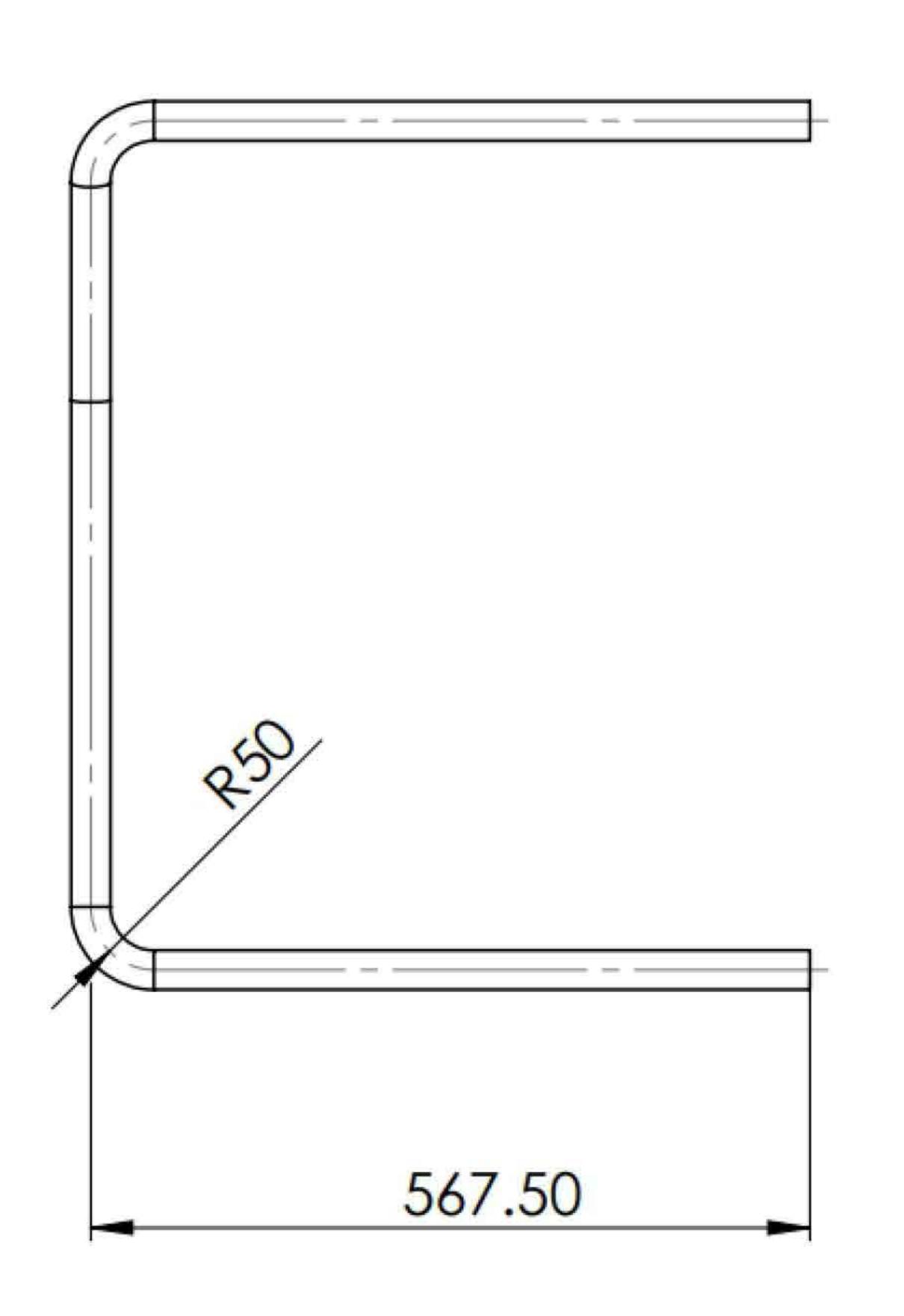
Features

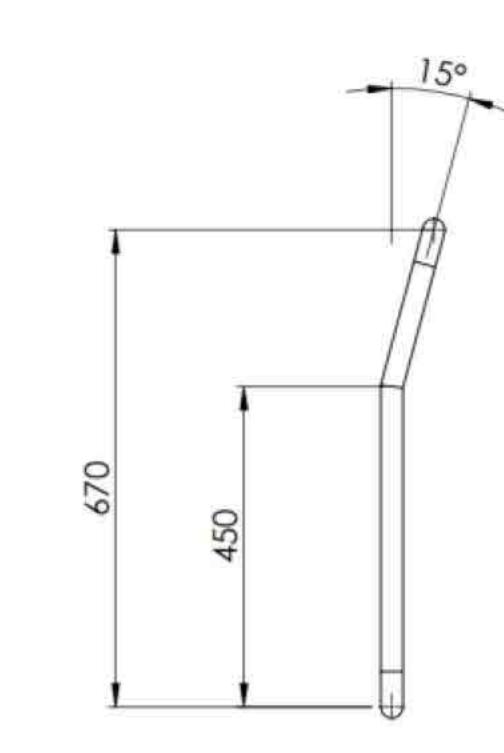
- Up to 13 bikes.
- Surface mounted. Easy installation.
- Powder coated for long life.
- Accessible from two side storage.

Optional

- Hot dip galvanized optional.
- Stainless steel optional.
- In-ground type optional.







Specification	
Item No.	P-BR-WM01
Bike Capacity	Each rail provides storage for a single bike
Length	600mm
Width	125mm
Height	700mm
Tube diameter	D32mm
Tube thickness	3 M M
Material	Carbon steel
Surface finish	Hot dip galvanized as standard.Powder coated optional available.
Others	Other size can be customized on request.

Specification				
Photo			MM	MM
Item No.	P-BR-W05	P-BR-W07	P-BR-W09	P-BR-W11
Bike Capacity	5bikes	7 bikes	9 bikes	11 bikes
Length	975mm	1950mm	2440mm	2925mm
Height	946mm	946mm	946mm	946mm
Tube diameter	60mm	60mm	60mm	60mm
Tube thickness	3mm	3mm	3mm	3mm
Material	Carbon steel			
Surface finish	Galvanized and powder coated as standard			

DOUBLE DECKER BIKE RACK

Features

- Can park 2 bikes per set(One up,one down)
- High capacity storage. Can be extended infinitely.
- Spring lift assist for easy parking.
- Fits multiple bike sizes.
- Hot dip galvanized for long life.

Optional

- Powder coated optional.
- Stainless steel optional.
- OEM available.





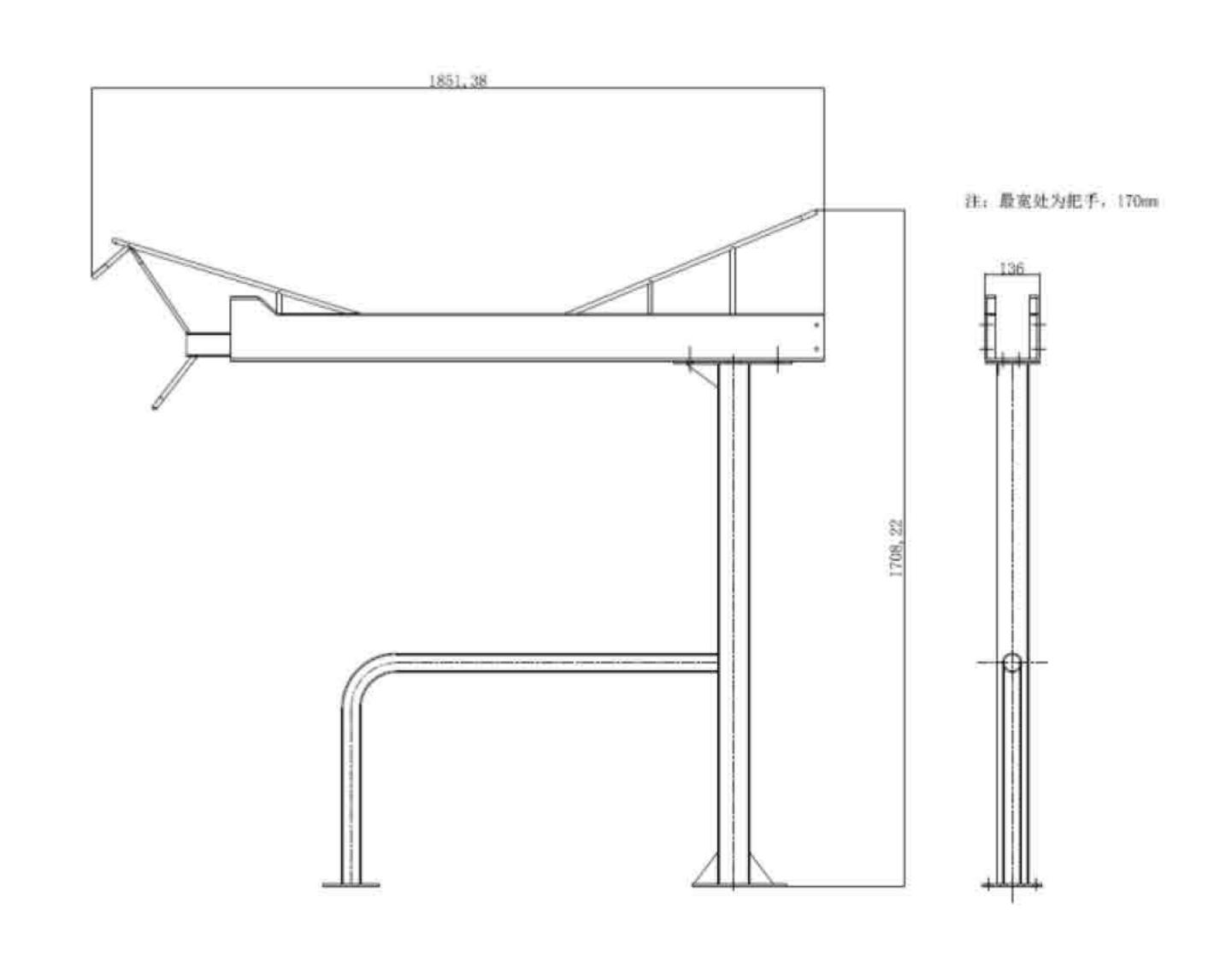
Features

- Can park 2 bikes per set(One up,one down)
- High capacity storage. Can be extended infinitely.
- Spring lift assist for easy parking.
- Fits multiple bike sizes.
- Hot dip galvanized for long life.

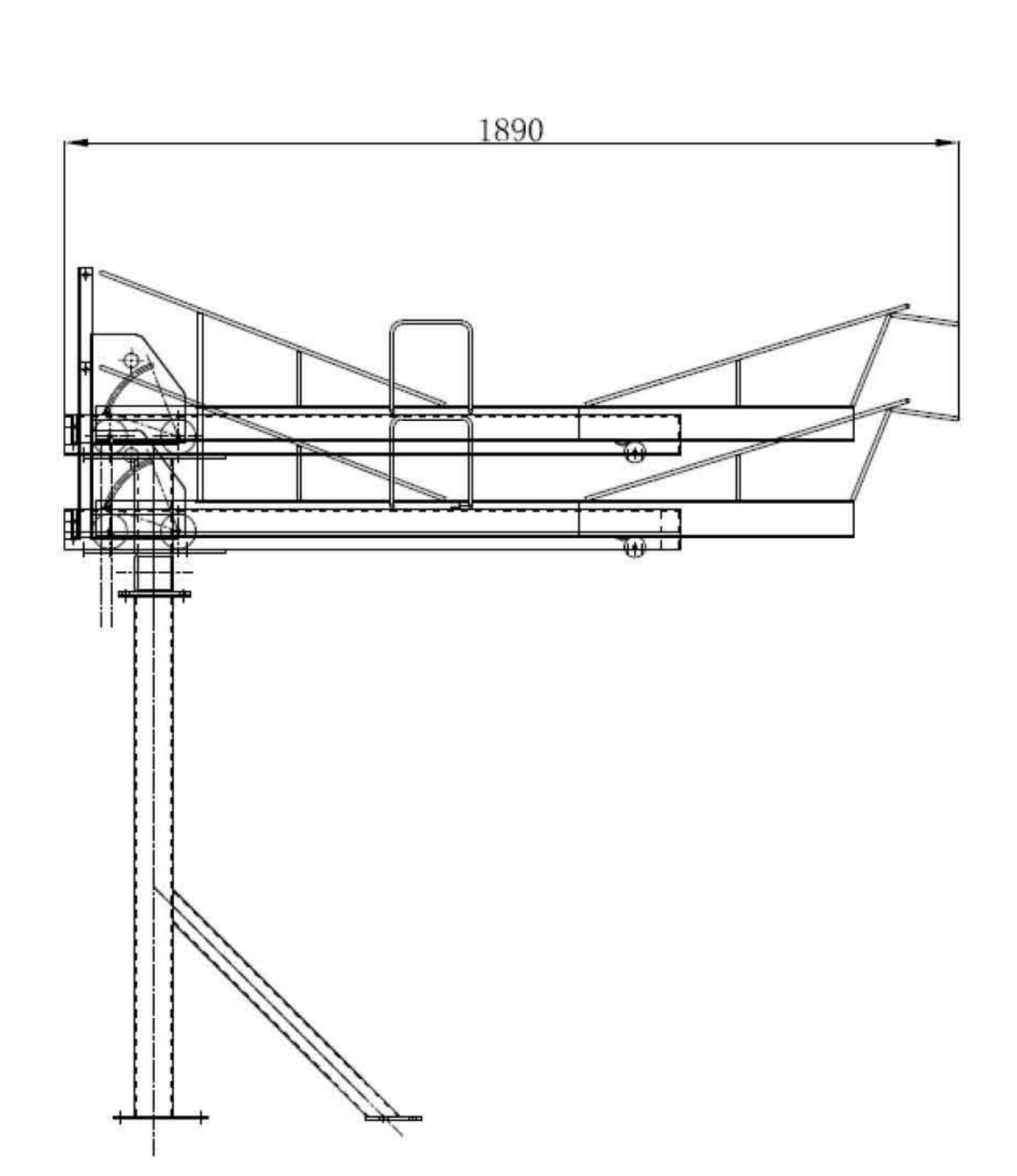
Optional

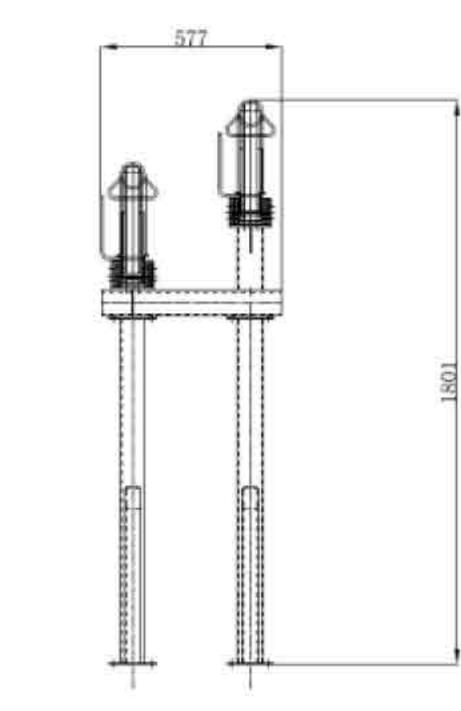
- Powder coated optional.
- Stainless steel optional.
- OEM available.





Specification	
Item No.	P-BR-DD01
Bike Capacity	2 bikes per set(One up,one down).
Length	1850mm
Width	170mm
Height	1700mm
Material	Carbon steel
Surface finish	Hot dip galvanized as standard. Powder coated optional available.
Others	Other size can be customized on request.





Specification	
Item No.	P-BR-DD02
Bike Capacity	2 bikes per set(One up,one down).
Length	1890mm
Width	288mm
Height	1801mm
Material	Carbon steel
Surface finish	Hot dip galvanized as standard. Powder coated optional available.
Others	Other size can be customized on request.



POLITE Safety Barrier System

Warehouse safety barrier

Plant & Platform safety barrier

Disability & Ramp & Stairs safety barrier

Road & Bridge safety barrier

Trolley barrier for supermarket

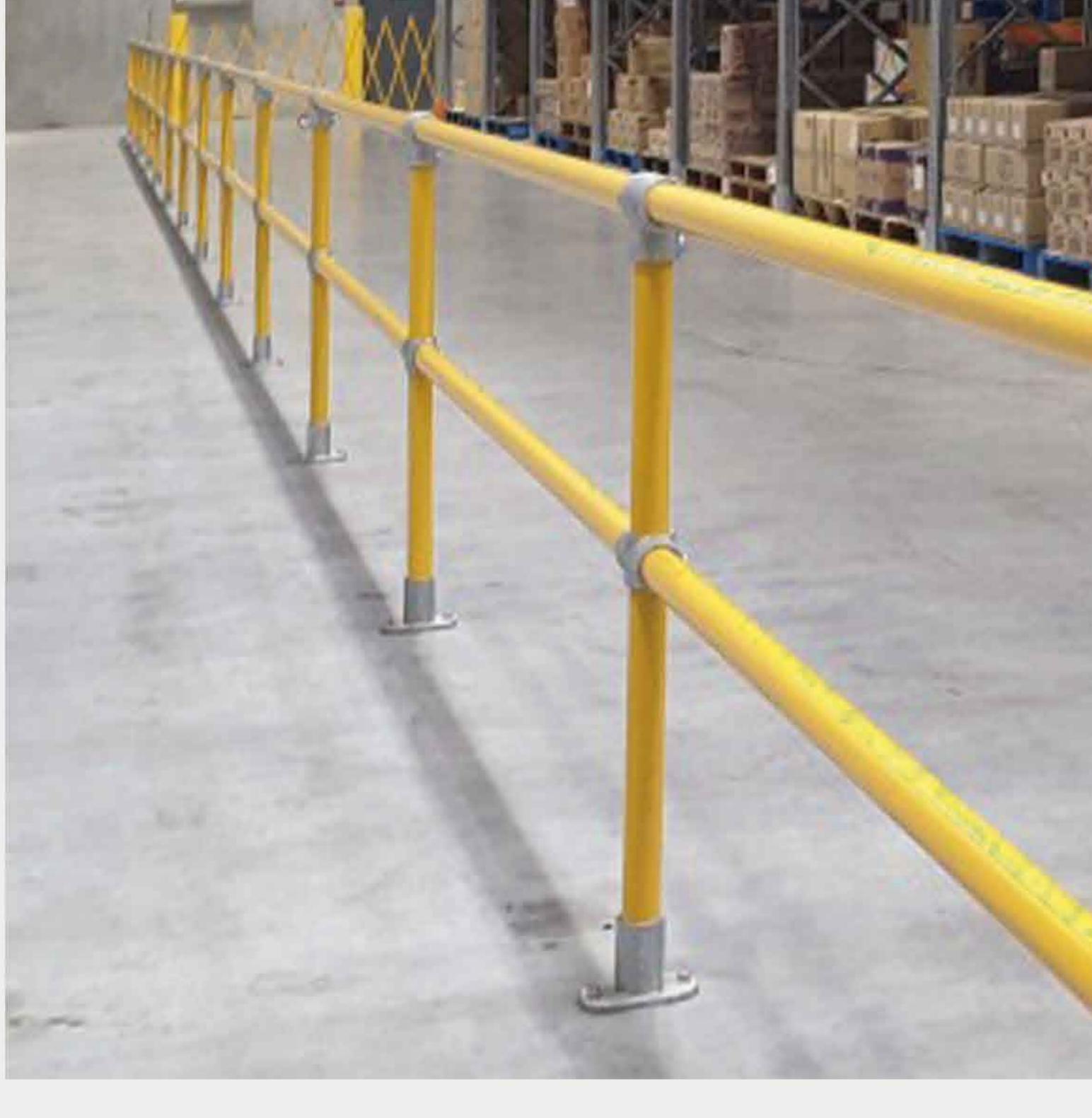
Warehouse Barrier

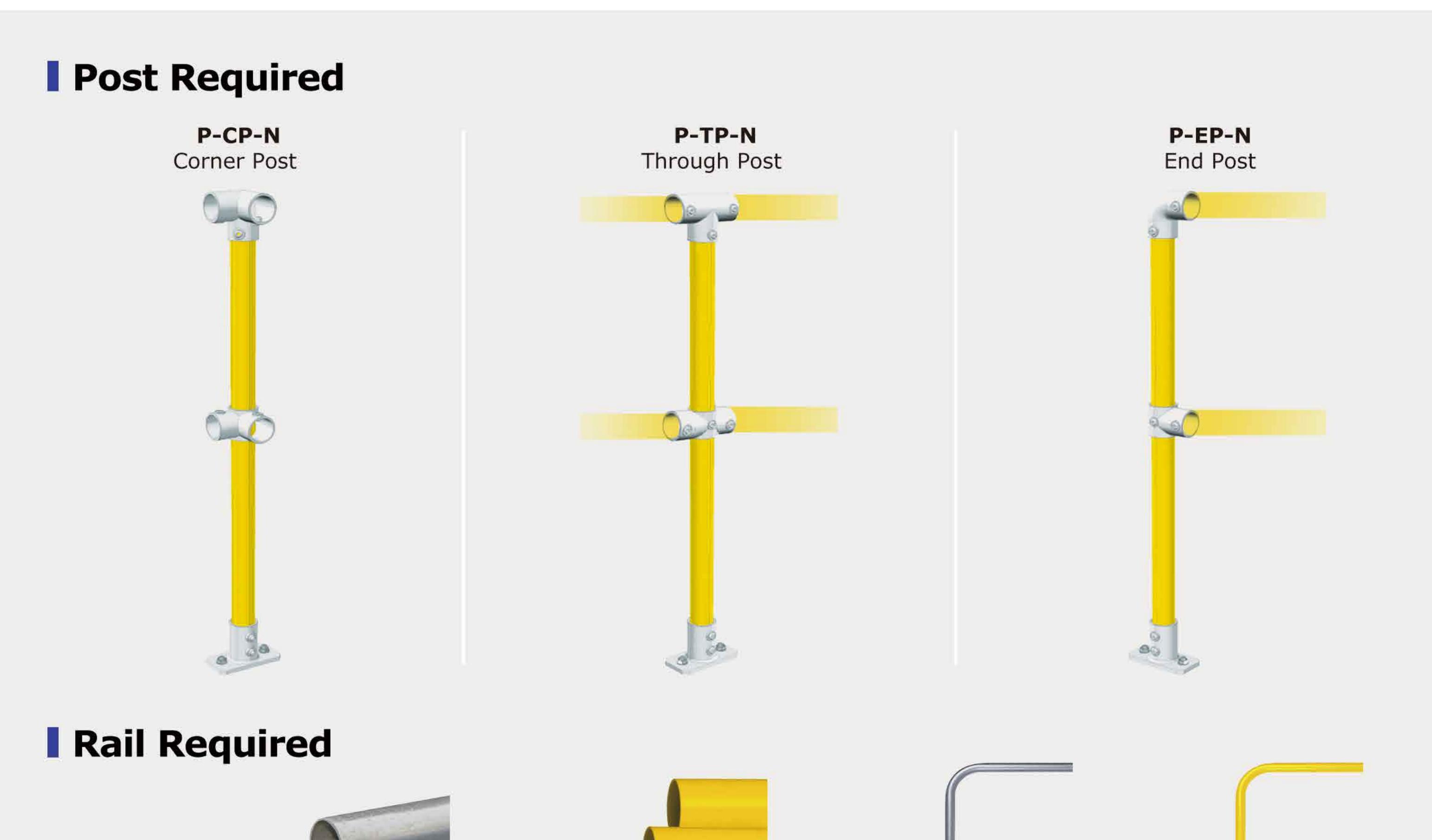












	Straight rail-HDG	Straight rail-powded	Return rail-HDG	Return rail-powded
Length	500mm/1M/2M	500mm/1M/2M	500mm	500mm
Diameter	33/42/48/60mm	33/42/48/60mm	33/42/48/60mm	33/42/48/60mm

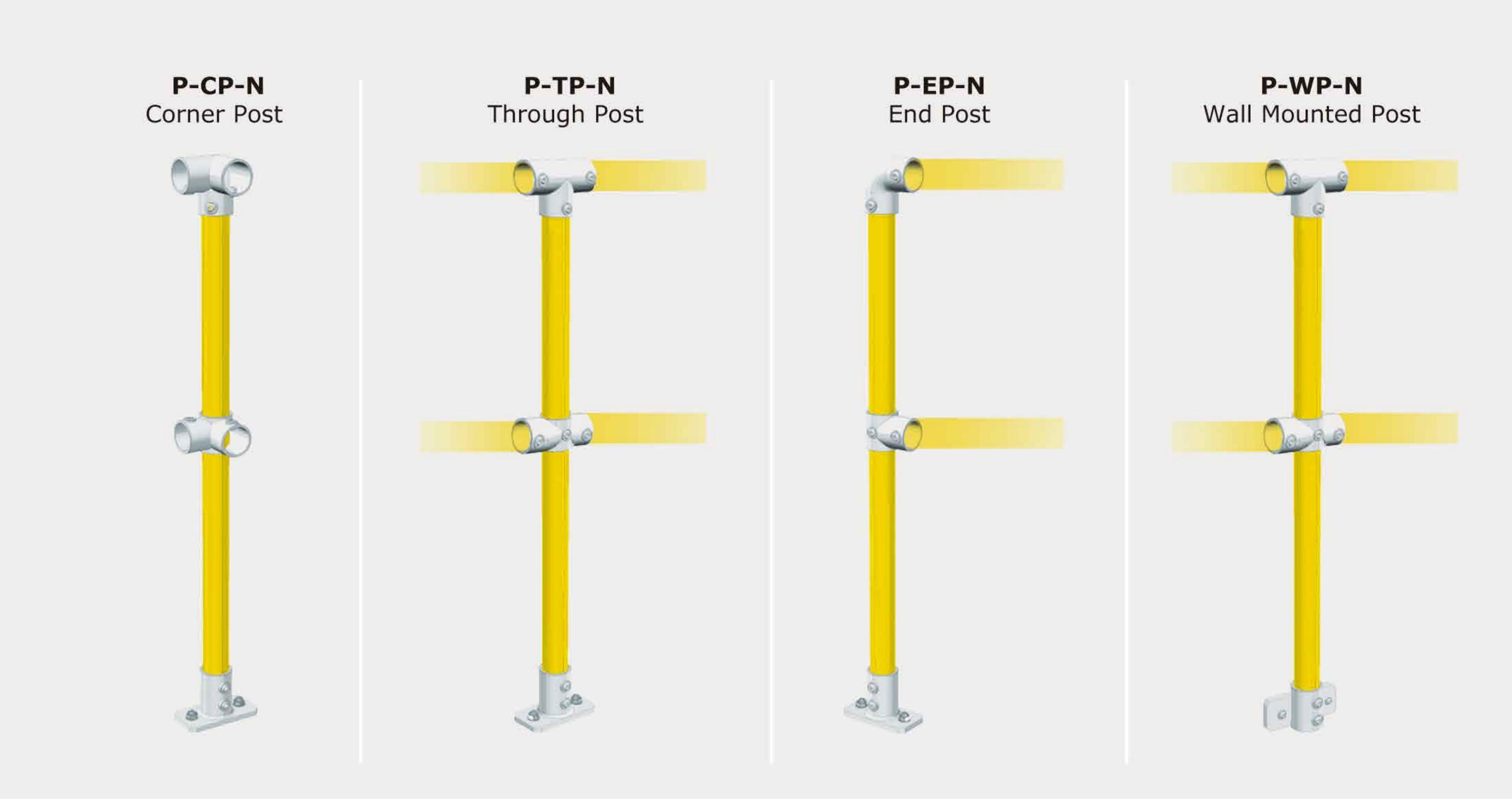
I Fitting Required



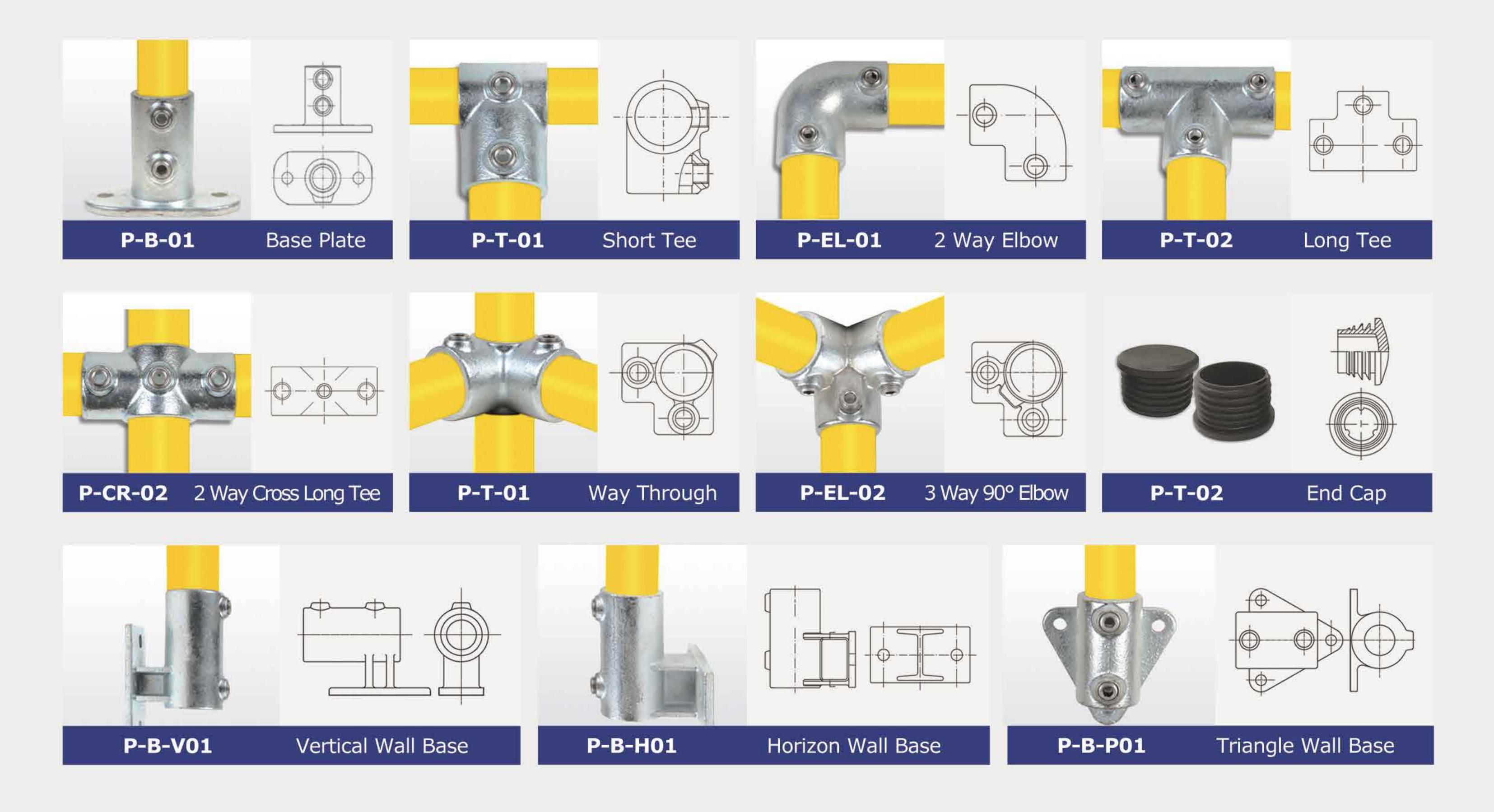
Plant & Platform Barrier



Post Required

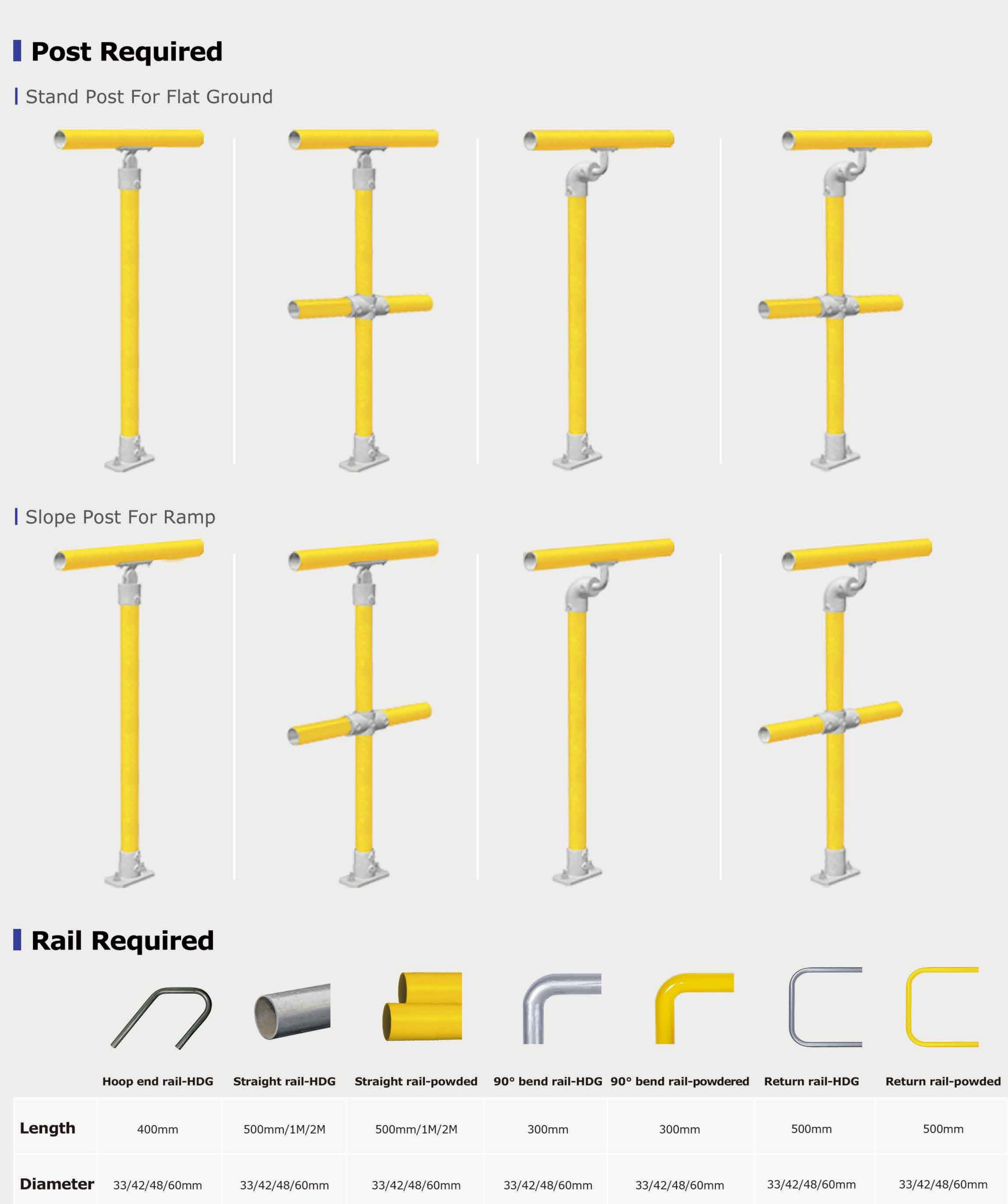


Fitting Required



DDA Disability Ramp & Stairs Safety Barrier

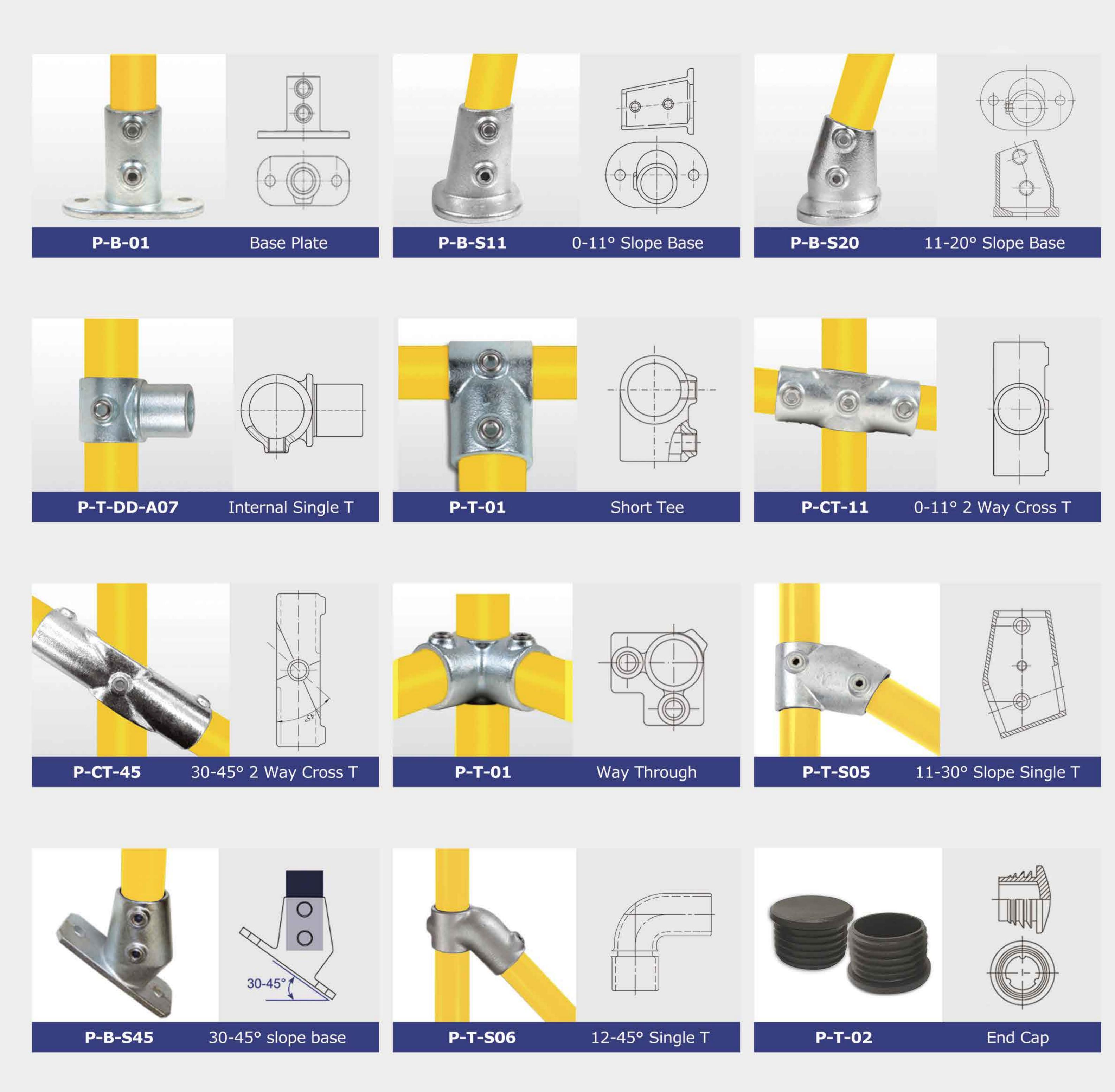




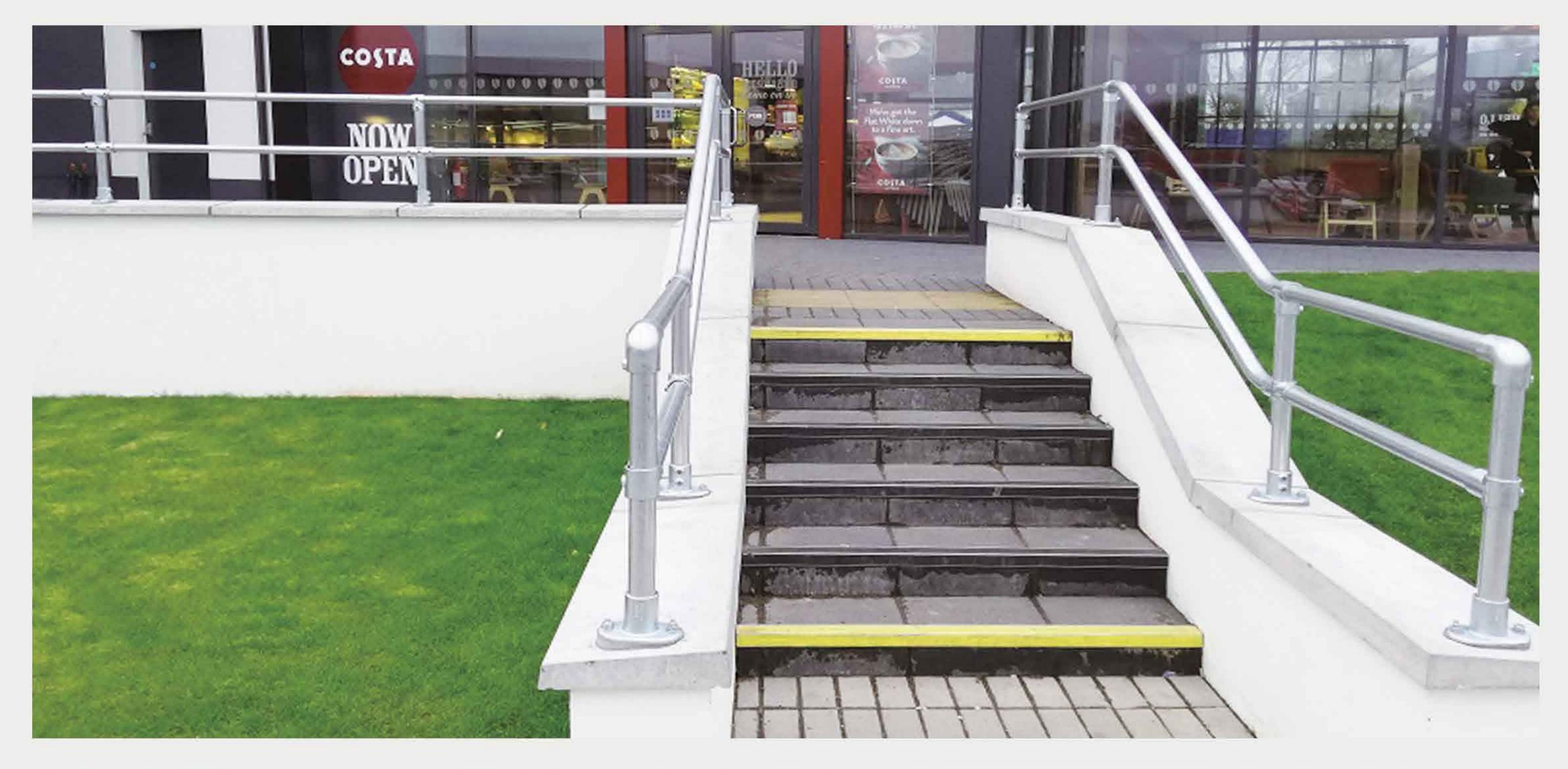
DDA Disability Ramp & Stairs Safety Barrier

I Fitting Required





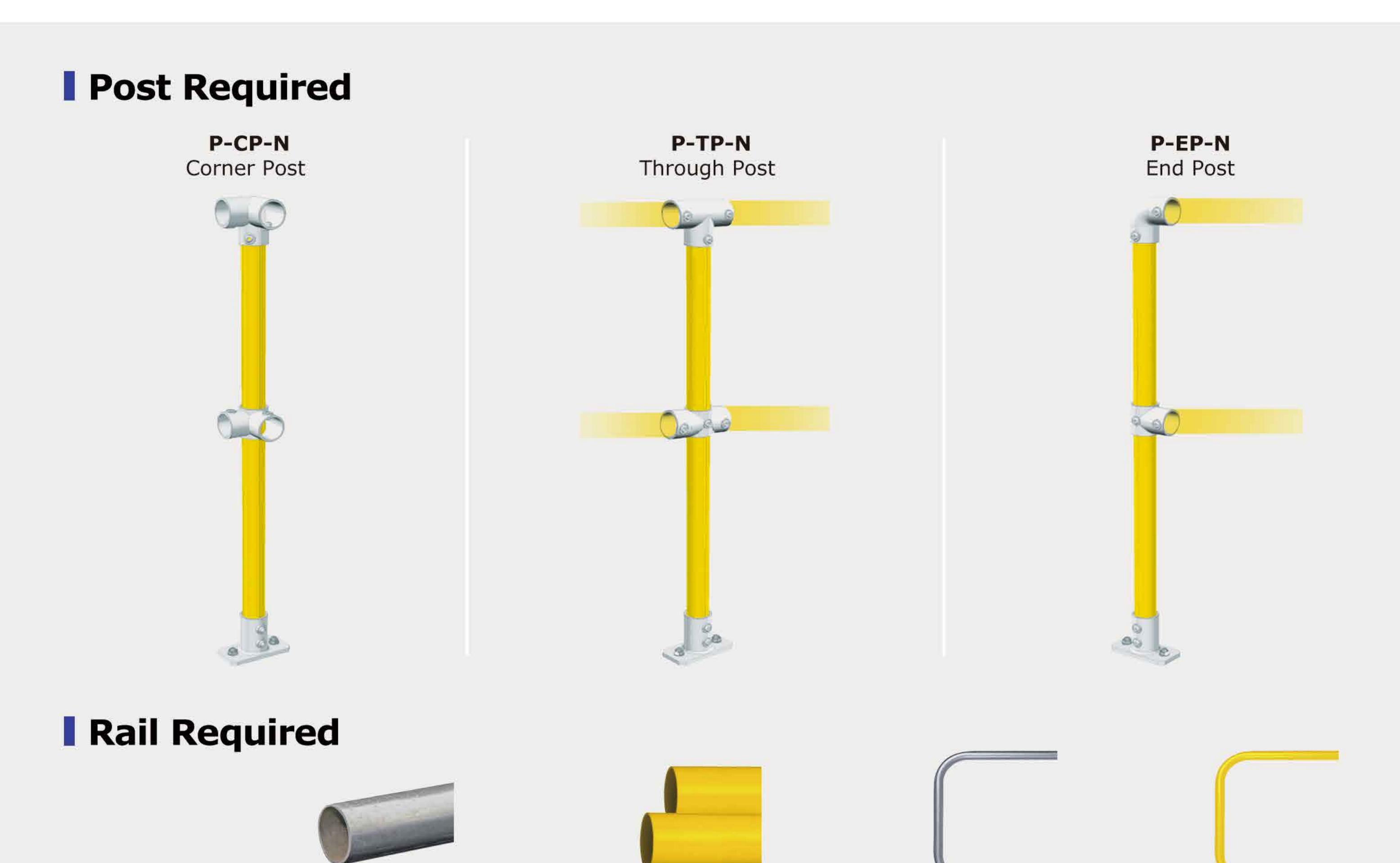
Road & Bridge Safety Barrier





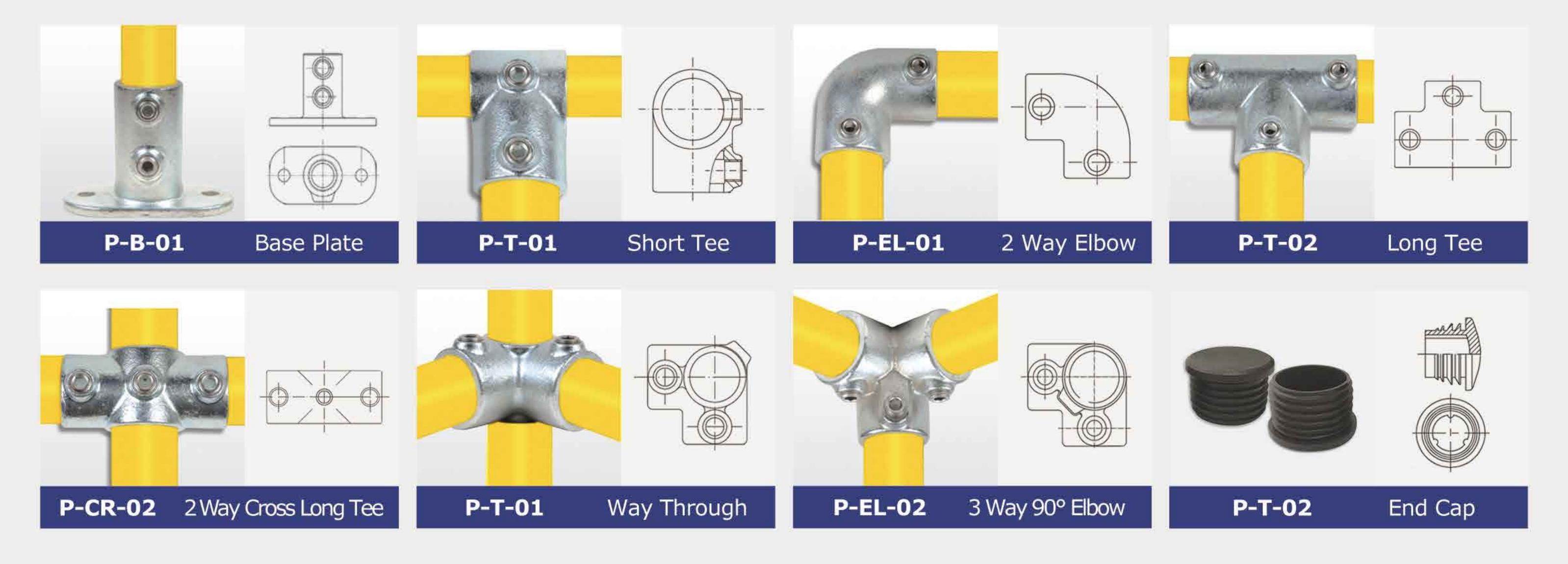






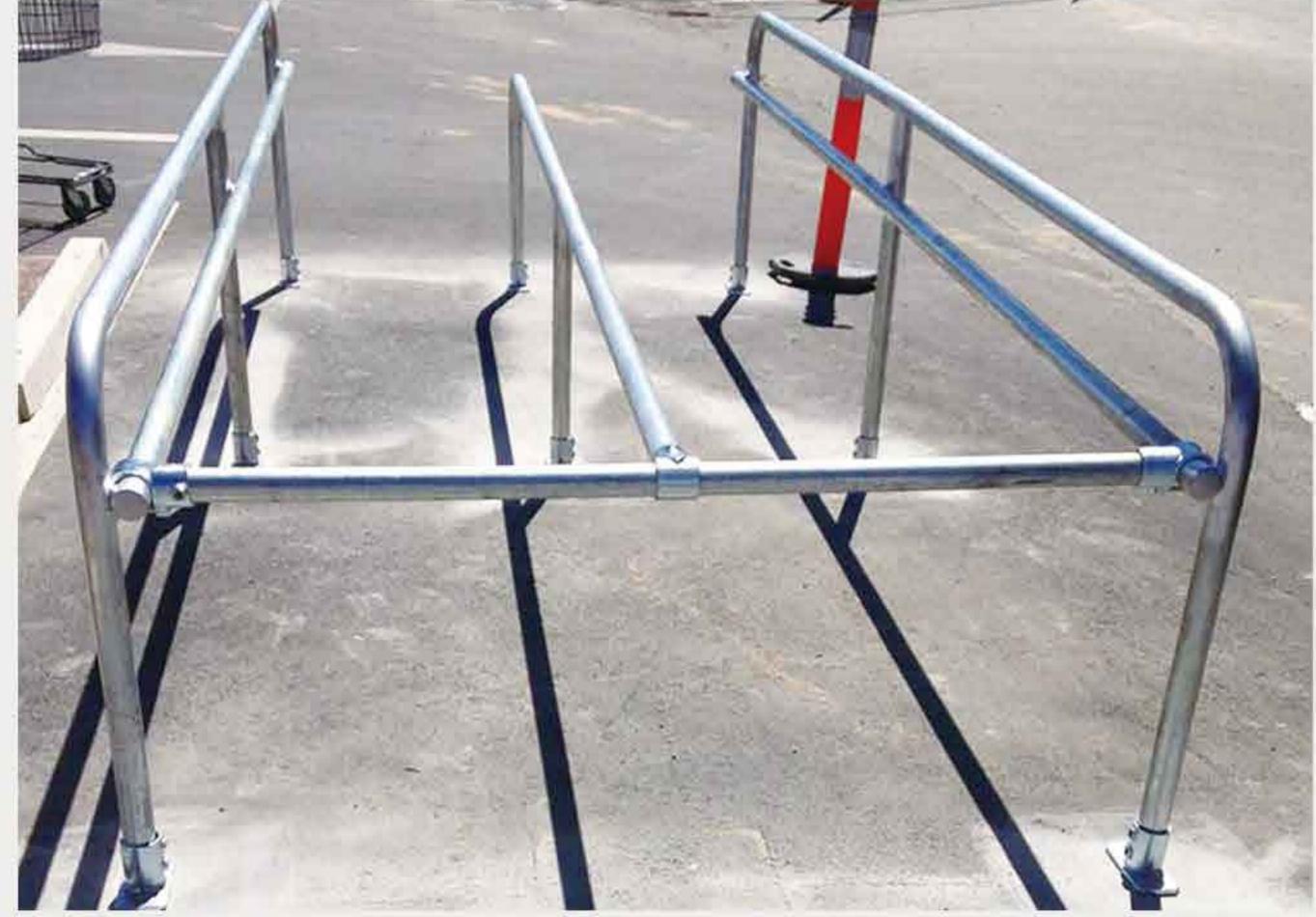
	Straight rail-HDG	Straight rail-powded	Return rail-HDG	Return rail-powded
Length	500mm/1M/2M	500mm/1M/2M	500mm	500mm
Diameter	33/42/48/60mm	33/42/48/60mm	33/42/48/60mm	33/42/48/60mm

I Fitting Required

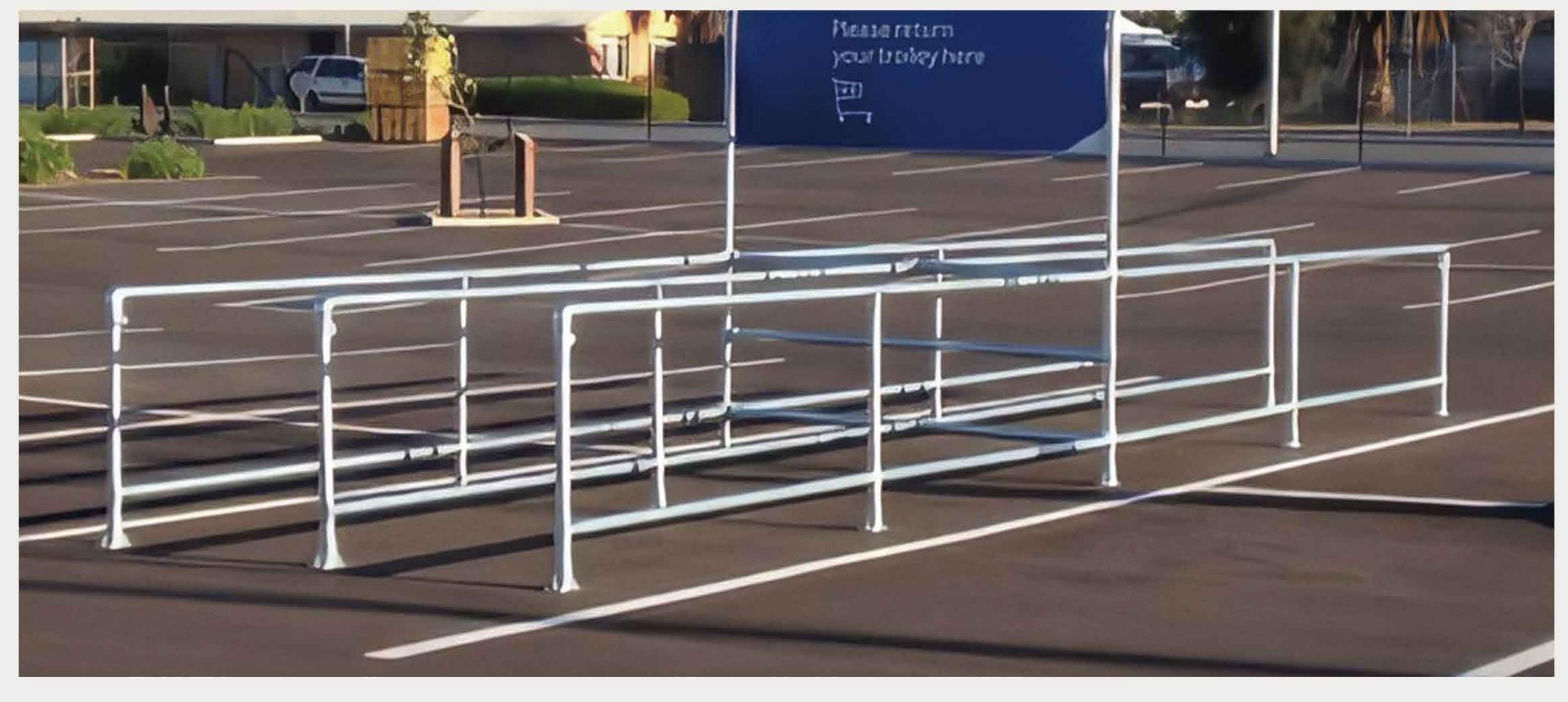


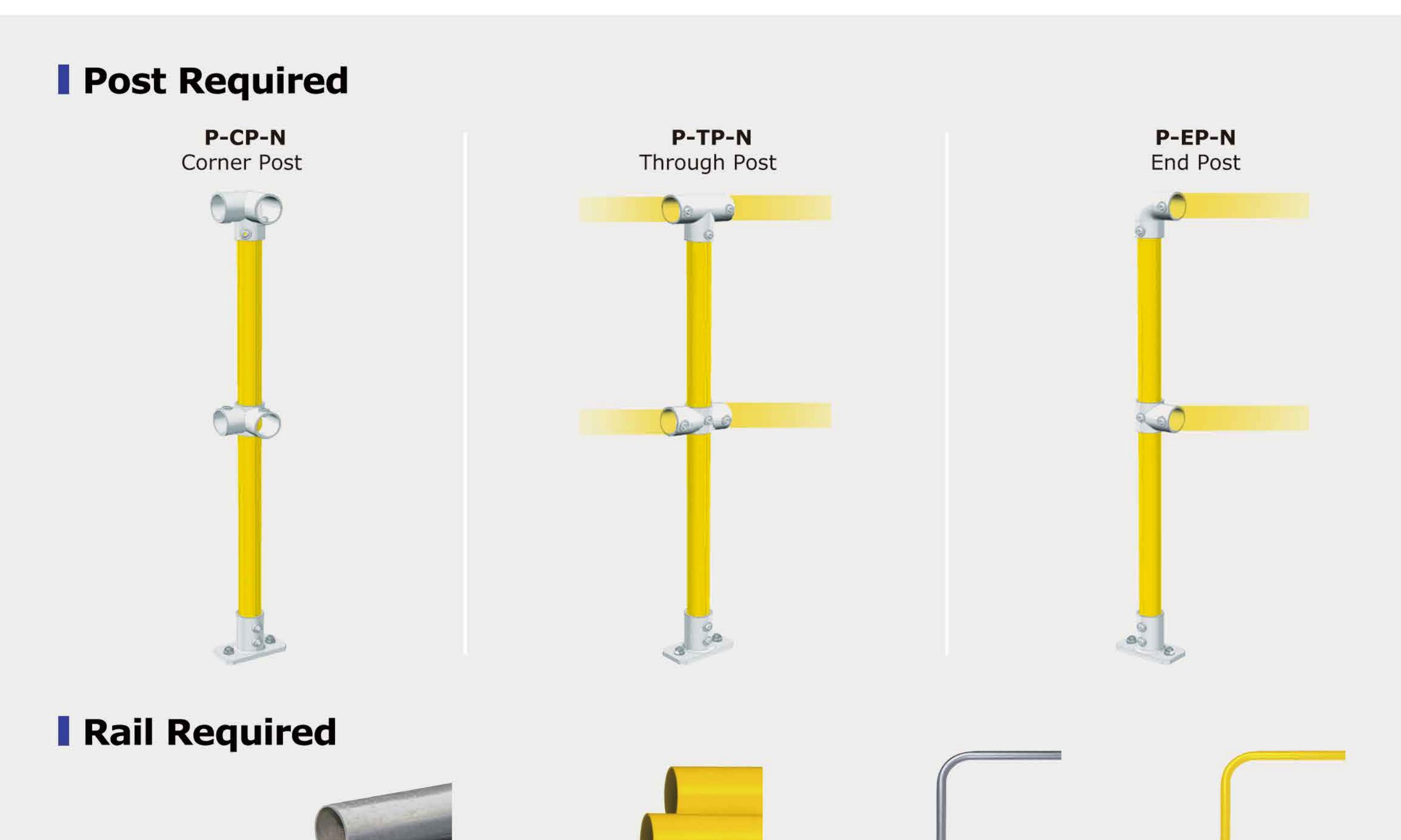
Trolley Barrier For Supermarket











	Straight rail-HDG	Straight rail-powded	Return rail-HDG	Return rail-powded
Length	500mm/1M/2M	500mm/1M/2M	500mm	500mm
Diameter	33/42/48/60mm	33/42/48/60mm	33/42/48/60mm	33/42/48/60mm

Fitting Required

