PlaySecure®

1.0M Hydraulic Single Gate	ENVI-KIT-6112
1.0M Hydraulic Double Gate	ENVI-KIT-6129
1.2M Hydraulic Single Gate	ENVI-KIT-6212
1.2M Hydraulic Double Gate	ENVI-KIT-6229

Operations, Maintenance & Installation Manual

Proudly Compliant with:

Proud to work with our partners

This manual provides a comprehensive overview for the installation, operation, and maintenance of the First Fence PlaySecure® hydraulic gate product line. These gates are specifically designed to provide a safe, controlled, and secure access point for parks, schools, and public playgrounds.

To ensure the highest levels of safety in these child-centric environments, the PlaySecure® range has been developed in strict accordance with the Royal Society for the Prevention of Accidents (RoSPA) guidelines for 'Gates and access to play and wheeled sports areas.'

Engineered to satisfy these stringent safety requirements, the range features a 'CONTROLLED HYDRAULIC SELF-CLOSING SYSTEM' alongside built-in finger entrapment prevention. This hydraulic mechanism guarantees that the gate closes at a safe, steady speed without slamming, making it perfectly suited for areas where reliable, consistent, and injury-free gate closure is essential.

Disclaimer: This guide is for informational purposes only. The installer is responsible for ensuring the installation complies with all relevant British Standards, local building regulations, codes of practice, and site-specific risk assessments. While every attempt has been made to verify the accuracy of the content in this guide upon its release, we cannot accept liability for any losses or damages resulting from inaccuracies. All tasks outlined must be carried out by certified professionals. Any deviation from these instructions nullifies any guaranteed entitlement or liability from the manufacturer.

Contact: For enquiries regarding the installation, operation or contents of the guide in relation to this product please direct your questions to : The Product and Drawing Office Manager, First Fence Ltd, Off Kiln Way, Swadlincote, South Derbyshire DE11 8EA. Or The Product and Drawing Office Manager sales@firstfence.co.uk +44 1283 380054.

Manufacturer and/or Reseller: First Fence Ltd, Off Kiln Way, Swadlincote, South Derbyshire DE11 8EA. www.firstfence.co.uk +44 1283 380054.

Competence: This product must be installed by a person of competence, defined as an individual who possesses the necessary knowledge, skill and experience in the installation of fences and gates.

Liability: This installation guide should be understood and followed before any installation activities commence. If any area of the installation is unclear, the installer must contact the manufacturer, outlined in 'Contact.' First Fence Ltd takes no responsibility for incorrectly installed systems, product, material or components.

Please see the suitability table below, based on RoSPA and BS EN 1176 guidelines, to determine if PlaySecure® (categorised as a safe-access pedestrian gate) is suitable for your intended play area or school environment.

Gate Type	Playgrounds	Schools & Nurseries	Public Parks	Dog Parks	MUGA Pedestrian	Industrial Security
PlaySecure® Hydraulic Gate	1	1	1	1	2	3
Standard Pedestrian Gate	3	3	2	3	2	2

Legend

1 = Preferred	2 = Suitable	3 = Unsuitable

Design Specification

Key design criteria met (full list can be obtained on request):

RoSPA / BS EN Ref	Specific Design Specification	PlaySecure® Criteria
Self-Closing Action	Gates must have a reliable self-closing mechanism that operates at a controlled speed to prevent impact injuries and slamming.	Features a built-in, fully adjustable hydraulic closer to guarantee a steady, safe closing speed.
Entrapment Prevention	Gaps between the gate and the post must not decrease to less than 12mm during movement to prevent finger entrapment and crushing.	Engineered hinge design maintains a consistent, compliant gap throughout the gate's full range of motion.
Ground Clearance	Clearance beneath the gate should be maintained (typically between 60mm and 110mm) to prevent foot entrapment and allow for ground swell.	Gate leaves and posts are specifically dimensioned to achieve a safe, compliant ground clearance upon standard installation.
Access & Egress	Gates should open outwards away from the play area to prevent pushing accidents and facilitate safe exit.	Outward opening configuration supplied as standard, with full pedestrian access width maintained.

1.0 Safety & Tools

Personal Protective Equipment (PPE)

The following minimum PPE is required for installation:

Hard Hat
Must be worn

Eye Protection
Must be worn

Safety Gloves
For all material handling

Foot Protection
Must be worn

Risk Assessment

Installers are responsible for completing a site-specific risk assessment and complying with all local risk assessments before starting work. This responsibility includes, but isn't limited to, the following:

Activity	Risk Assessment Requirements and Not Limited to
Breaking ground for post hole excavations	Noise Vibration Manual Handling
Post Installation	Hazardous Substances (COSHH) Manual Handling
Installation of Fixings	Noise Vibration Working at Height

Tools & Equipment

Safety Gloves
Required for all material handling, any COSHH tasks including Post Mix, and any installation tasks.

Drill/Buzz Gun
For fixings installation

Shovel/Excavation
Required for excavation of holes to suit post foundations

Spirit Level
For plumb (vertical) and level installation

Time
Required for Post Mix curing or patched fixing curing

Cable Avoidance Tool
To identify hidden services embedded in the wall

2.0 Pre-Installation

Underground Services

Before any drilling, establish and mark the locations of all services within the working area (e.g., electrical conduits, water pipes). Use a Cable Avoidance Tool (CAT) and refer to building plans where available to prevent damage to services.

Materials Check

Unpack the kit and verify all components are present and undamaged, checking against the Bill of Materials (Section 4.0). Ensure all components are free from excessive corrosion or damage.

Site Preparation For PlaySecure®

Note: There must be sufficient clear space maintained around the gate's full opening arc to allow for safe pedestrian access and egress. As indicated in RoSPA guidelines for play areas, gates should ideally open outwards, away from the play equipment, and must not encroach upon any safety surfacing or equipment fall zones.

Note: Gate Installation Clearing

1

Before beginning installation, coordinate with a site manager if needed. Ensure the ground is cleared and prepared for installation.

Note: Clearance Gap

2

Standard outside-to-outside post widths are 1410mm (single) and 3240mm (double), but always verify on-site. Accurate levelling is critical: you must maintain a strict 100mm ground clearance to ensure the hydraulic closer operates correctly.

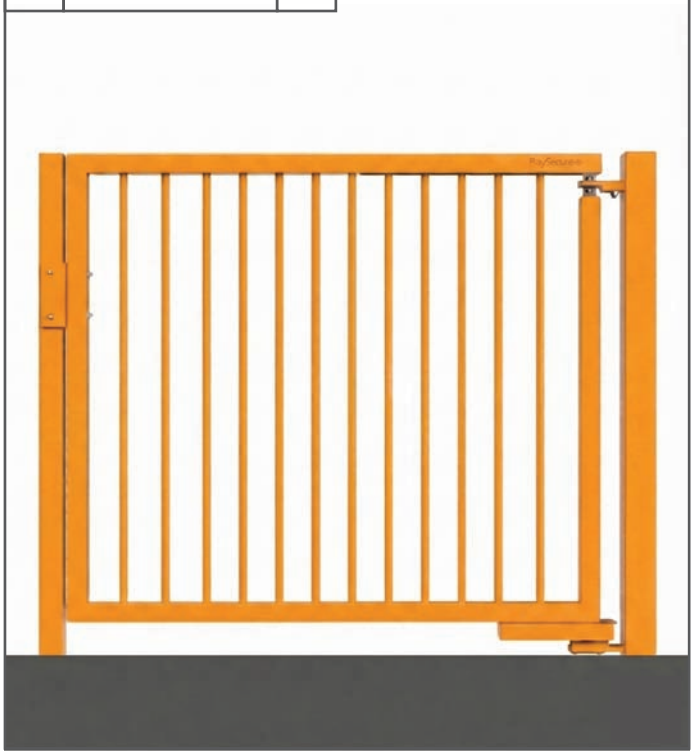
Note: Not adhering to the level ground tolerance may result in your system not fitting correctly, and may result in misalignment!

Note: Ground Level

The PlaySecure® hydraulic gate range requires level ground across its entire opening arc for safe, compliant operation. Installing on a slope or uneven ground causes fluctuating clearances beneath the gate. This can create non-compliant gaps that risk foot entrapment and allow children to exit, or cause the gate to 'ground out', preventing the hydraulic closer from safely shutting.

4a Bad Practice ✗

4b Good Practice ✓



PlaySecure® Hydraulic Gate System

The PlaySecure® hydraulic gate range offers distinct single and double-leaf configurations, each designed to suit different access requirements and site footprints. All gates are engineered for durability, RoSPA-compliant safety, and consistent self-closing performance across a variety of schools, parks, and play areas.

PlaySecure® 1.0M x 1.2M WIDE HYDRAULIC CLOSER SINGLE GATE DIG IN KIT

Size: (H) 1000mm x (W) 1410mm (Overall Post-to-Post Width)

A compact, RoSPA-compliant access solution ideal for schools and community play areas. This single-leaf PlaySecure® gate delivers reliable hydraulic self-closing safety in a streamlined footprint. The complete dig-in kit includes the 1.2m gate leaf, 80x80mm and 60x60mm posts, and all necessary hydraulic hardware.

Illustration	Description	Product Code	Quantity
	PlaySecure® 1.0m HIGH DIG IN HYDRAULIC CLOSER HINGE GATE POST 80X80 BOX SECTION AL 1500MM	ENVI-PLA-4200	1
	PlaySecure® 1.0m HIGH DIG IN CATCH GATE POST 60X60 BOX SECTION AL 1500MM	ENVI-PLA-4260	1
	PlaySecure® 1.0M HIGH x 1.2M WIDE SELF-CLOSING GATE LEAF FOR HYDRAULIC CLOSER	ENVI-PLA-4100	1
	PlaySecure® SLAM PLATE AND RUBBER FIXING KIT	ENVI-PLA-4340	1
	APS TOP HINGE HINGE FIXING KIT	ACCS-MSH-0344	1
	APS BOTTOM HYDRAULIC CLOSER FIXING KIT	ACCS-MSH-0348	1

PlaySecure® 1.2M x 1.2M WIDE HYDRAULIC CLOSER SINGLE GATE DIG IN KIT

Size: (H) 1200mm x (W) 1410mm (Overall Post-to-Post Width)

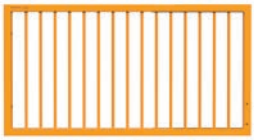
A compact, RoSPA-compliant access solution ideal for schools and community play areas. This single-leaf PlaySecure® gate delivers reliable hydraulic self-closing safety in a streamlined footprint. The complete dig-in kit includes the 1.2m gate leaf, 80x80mm and 60x60mm posts, and all necessary hydraulic hardware.

Illustration	Description	Product Code	Quantity
	PlaySecure® 1.2m HIGH DIG IN HYDRAULIC CLOSER HINGE GATE POST 80X80 BOX SECTION AL 1700MM	ENVI-PLA-4210	1
	PlaySecure® 1.2m HIGH DIG IN CATCH GATE POST 60X60 BOX SECTION AL 1700MM	ENVI-PLA-4270	1
	PlaySecure® 1.2M HIGH x 1.2M WIDE SELF-CLOSING GATE LEAF FOR HYDRAULIC CLOSER	ENVI-PLA-4140	1
	PlaySecure® SLAM PLATE AND RUBBER FIXING KIT	ENVI-PLA-4340	1
	APS TOP HINGE HINGE FIXING KIT	ACCS-MSH-0344	1
	APS BOTTOM HYDRAULIC CLOSER FIXING KIT	ACCS-MSH-0348	1

PlaySecure® 1.0M X 2.9M WIDE MACHINE ACCESS HYDRAULIC CLOSER DOUBLE GATE DIG IN KIT

Size: (H) 1000mm x (W) 3240mm (Overall Post-to-Post Width)

A RoSPA-compliant, dual-access gate for play areas. It combines a safe 1.2m hydraulic self-closing pedestrian leaf with a 1.7m manual leaf for machinery access. The complete dig-in kit includes both leaves, two 80x80mm posts, drop bolts, a gate restrainer, and all hydraulic hardware.

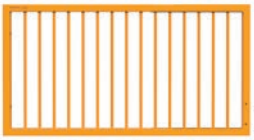
Illustration	Description	Product Code	Quantity
	PlaySecure® 1.0m HIGH DIG IN HYDRAULIC CLOSER HINGE GATE POST 80X80 BOX SECTION AL 1500MM	ENVI-PLA-4200	1
	PlaySecure® 1.0m HIGH DIG IN MACHINERY ACCESS HINGE GATE POST 80X80 BOX SECTION AL 1500MM	ENVI-PLA-4220	1
	PlaySecure® 1.0M HIGH x 1.7M WIDE MACHINERY ACCESS GATE LEAF FOR HYDRAULIC CLOSER	ENVI-PLA-4120	1
	PlaySecure® 1.0M HIGH x 1.2M WIDE SELF-CLOSING GATE LEAF FOR HYDRAULIC CLOSER	ENVI-PLA-4100	1
	ADJUSTABLE GATE EYE 150mm cw 20mm	ACCS-GEN-0001	2
	APS TOP HINGE HINGE FIXING KIT	ACCS-MSH-0344	1
	APS BOTTOM HYDRAULIC CLOSER FIXING KIT	ACCS-MSH-0348	1

	PlaySecure® SLAM PLATE AND RUBBER FIXING KIT	ENVI-PLA-4340	1
	GATE RESTRAINER 3MM	ACCS-MSH-0250	1
	FIRSTFENCE UNIVERSAL HEAVY DUTY DROP BOLT	ACCS-MSH-1025	1
	FIRSTFENCE PADLOCKABLE DROP BOLT ADD ON KIT	ACCS-MSH-0950	1

PlaySecure® 1.2M X 2.9M WIDE MACHINE ACCESS HYDRAULIC CLOSER DOUBLE GATE DIG IN KIT

Size: (H) 1200mm x (W) 3240mm (Overall Post-to-Post Width)

A RoSPA-compliant, dual-access gate for play areas. It combines a safe 1.2m hydraulic self-closing pedestrian leaf with a 1.7m manual leaf for machinery access. The complete dig-in kit includes both leaves, two 80x80mm posts, drop bolts, a gate restrainer, and all hydraulic hardware.

Illustration	Description	Product Code	Quantity
	PlaySecure® 1.2m HIGH DIG IN MACHINERY ACCESS HINGE GATE POST 80X80 BOX SECTION AL 1700MM	ENVI-PLA-4230	1
	PlaySecure® 1.2m HIGH DIG IN HYDRAULIC CLOSER HINGE GATE POST 80X80 BOX SECTION AL 1700MM	ENVI-PLA-4210	1
	PlaySecure® 1.2M HIGH x 1.7M WIDE MACHINERY ACCESS GATE LEAF FOR HYDRAULIC CLOSER	ENVI-PLA-4160	1
	PlaySecure® 1.2M HIGH x 1.2M WIDE SELF-CLOSING GATE LEAF FOR HYDRAULIC CLOSER	ENVI-PLA-4140	1
	ADJUSTABLE GATE EYE 150mm cw 20mm	ACCS-GEN-0001	2
	APS TOP HINGE HINGE FIXING KIT	ACCS-MSH-0344	1
	APS BOTTOM HYDRAULIC CLOSER FIXING KIT	ACCS-MSH-0348	1

	PlaySecure® SLAM PLATE AND RUBBER FIXING KIT	ENVI-PLA-4340	1
	GATE RESTRAINER 3MM	ACCS-MSH-0250	1
	FIRSTFENCE UNIVERSAL HEAVY DUTY DROP BOLT	ACCS-MSH-1025	1
	FIRSTFENCE PADLOCKABLE DROP BOLT ADD ON KIT	ACCS-MSH-0950	1

What is a PlaySecure® 1.0m & 1.2m High Single Gate Kit?

A 1.0m or 1.2m high PlaySecure® single gate kit is a self-closing pedestrian access point, commonly used to secure children's play areas, schools, and public parks. It is designed to provide a safe, controlled entrance with built-in entrapment prevention and a hydraulic closer to ensure the gate shuts reliably without slamming. The complete kit utilises a dedicated hinge post and a catch post to support the swinging leaf, helping maintain precise structural alignment and the crucial 100mm ground clearance required for RoSPA compliance.

Key Features

1.0m & 1.2m Height Options: Provides a secure, highly visible, and accessible boundary ideal for safeguarding children's play areas, schools, and public parks.

Hydraulic Self-Closing Mechanism: Features a robust APS bottom hydraulic closer and top hinge system, ensuring the gate shuts smoothly and consistently without slamming, which is critical for child safety.

RoSPA-Compliant Safety Design: Engineered to strict play area safety guidelines, maintaining a mandatory 100mm ground clearance and built-in finger entrapment prevention throughout the gate's entire opening arc.

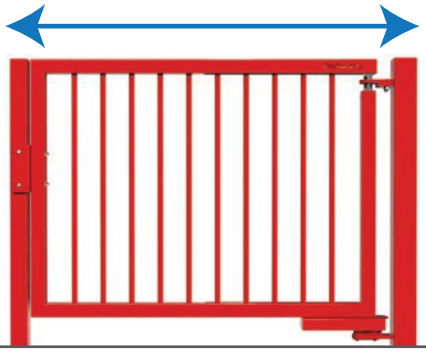
Galvanised & Powder-Coated Finish: Manufactured from pre-galvanised steel as standard for excellent corrosion resistance, with optional Polyester Powder Coating (PPC) available in various colours to match your existing perimeter fencing.

Quiet & Secure Closure: Includes a dedicated PlaySecure® slam plate and rubber buffer kit to provide a quiet impact and securely catch the gate leaf upon closing, reducing wear and noise in public spaces.

1

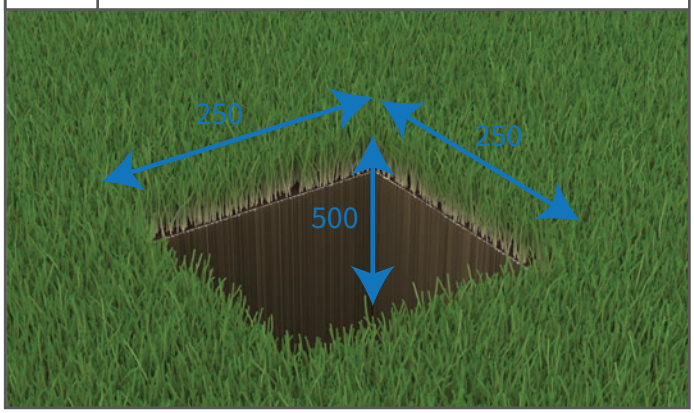
Measure and mark the exact post positions on the ground. For this specific gate kit, you must achieve a strict 1410mm outside-to-outside post width to ensure the gate and hinges fit correctly.

1410mm outside-to-outside post width



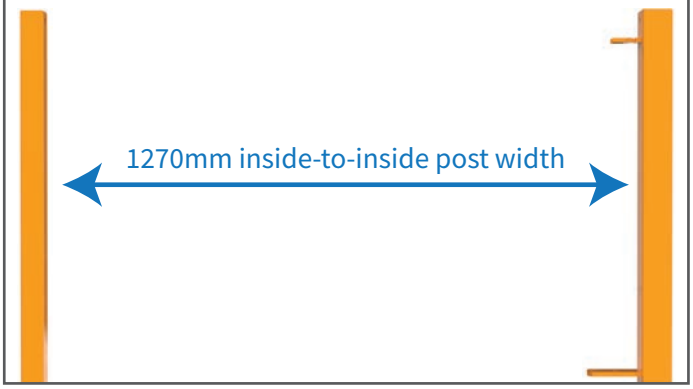
2

Dig two holes for your gate posts. According to the technical drawing, the foundation depth must be 500mm to properly secure the 1500mm or 1700mm total length posts.



3

Place the larger 80x80mm hinge post and the 60x60mm catch post into their respective holes. Ensure both posts are perfectly vertical (plumb) and aligned with each other.



4

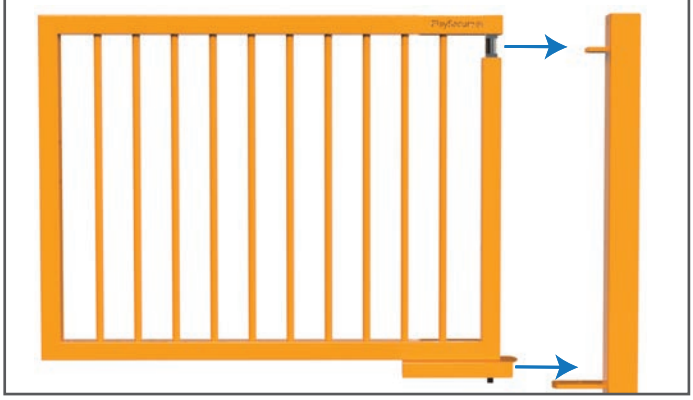
Secure the posts using concrete or post mix. Double-check that both posts remain perfectly plumb and aligned before the concrete fully cures.

5

Before hanging the leaf, verify your hinge placement will allow for a mandatory 100mm ground clearance beneath the gate across its entire opening arc. Attach the APS Bottom Hydraulic Closer to the hydraulic gate leaf.

6

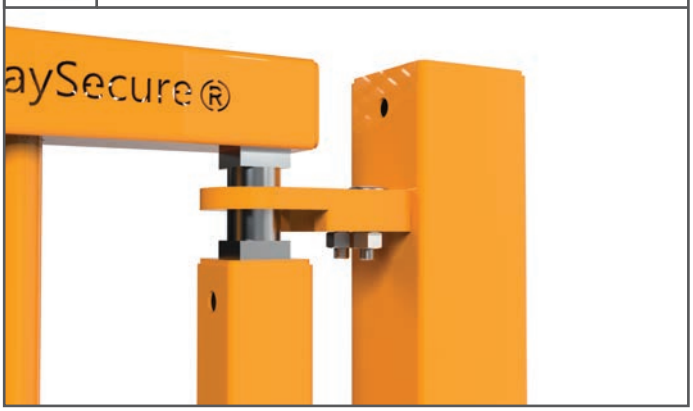
Carefully lift the gate leaf into position. Align the top hinge assembly and the bottom hydraulic closer with the corresponding receiving brackets on the hinge post, and slide the leaf onto the brackets ready for fixing.



Note: Ensure all M8 snap-off security nuts on the hinge and slam plate assemblies are fully tightened and sheared off to prevent tampering!

7 Attach the APS fixings to secure the lower gate pivot to the hinge post bracket, ensuring the gate remains perfectly level. For detailed guidance on the exact assembly and tension adjustments, please refer to the manual inside the Gatemaster APS closer box.

8 Secure the upper gate pivot to the post bracket using the APS top hinge fixings. Follow the Gatemaster manual closely to ensure the hinge is aligned correctly and safely tightened.



9 Mount the slam plate to the gate leaf, ensuring it aligns perfectly with the catch post in the closed position. For detailed assembly instructions, please refer to the slam plate guide provided later in this O&M manual.

10 Test the gate to ensure the hydraulic closer shuts smoothly against the slam plate without slamming. Once perfectly aligned, fully tighten all fixings and shear off the security nuts for a tamper-proof finish.

Note: Ensure all M8 snap-off security nuts on the hinge and slam plate assemblies are fully tightened and sheared off to prevent tampering!

What is a PlaySecure® 1.0m & 1.2m High Machine Access Double Gate Kit?

A 1.0m or 1.2m high PlaySecure® machine access double gate kit is a dual-purpose entrance, commonly used to secure children's play areas, schools, and public parks. It is designed to provide safe, controlled pedestrian access via a 1.2m hydraulic self-closing leaf that shuts reliably without slamming, alongside a wider 1.7m manual leaf to easily accommodate grounds keeping or maintenance machinery. The complete kit utilises two dedicated 80x80mm hinge posts to support both swinging leaves, along with heavy-duty drop bolts and a gate restrainer, helping maintain precise structural alignment and the crucial 100mm ground clearance required for RoSPA compliance.

Key Features

1.0m & 1.2m Height Options: Provides a secure, highly visible, and accessible dual-leaf boundary ideal for safeguarding children's play areas, schools, and public parks.

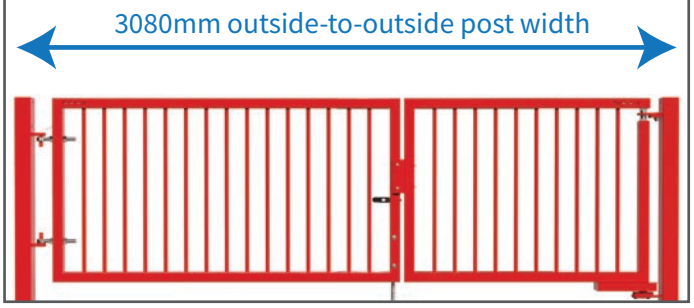
Dual-Access Functionality: Combines a 1.2m pedestrian leaf featuring a robust APS hydraulic closer for safe, slam-free operation, with a wider 1.7m manual leaf designed specifically for grounds keeping and machinery access.

RoSPA-Compliant Safety Design: Engineered to strict play area safety guidelines, maintaining a mandatory 100mm ground clearance across the entire span and built-in finger entrapment prevention throughout the gate's operating arc.

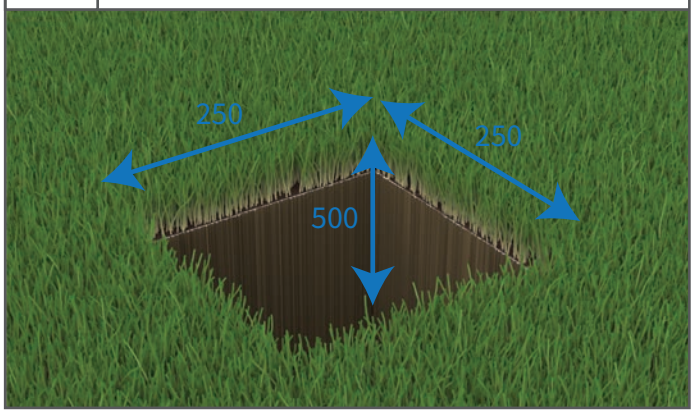
Galvanised & Powder-Coated Finish: Manufactured from pre-galvanised steel as standard for excellent corrosion resistance, with optional Polyester Powder Coating (PPC) available in various colours to match your existing perimeter fencing.

Comprehensive Hardware & Secure Closure: Includes a PlaySecure® slam plate and rubber buffer for quiet pedestrian closing, plus a 3mm gate restrainer and padlockable heavy-duty drop bolts to safely anchor the larger machinery leaf when not in use.

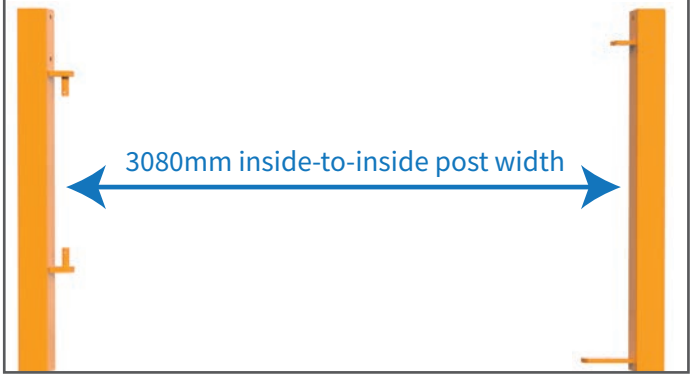
1 Measure and mark the exact post positions on the ground, aligning them with your planned layout. For this double gate kit, it is critical to achieve a strict 3080mm outside-to-outside post width to ensure both gate leaves and the drop bolt align perfectly.



2 Dig two holes for your gate posts. According to the technical drawing, the foundation depth must be 500mm to properly secure the 1500mm or 1700mm total length posts.



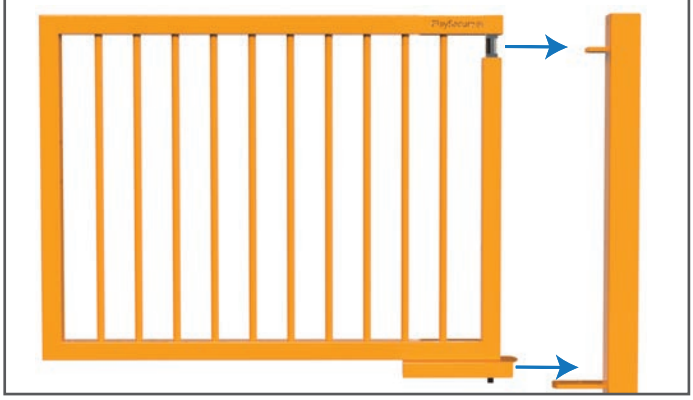
3 Place the larger 80x80mm hinge post and the 80x80mm hydraulic post into their respective holes. Ensure both posts are perfectly vertical (plumb) and aligned with each other.



4 Secure the posts using concrete or post mix. Double-check that both posts remain perfectly plumb and aligned before the concrete fully cures.

5 Before hanging the leaf, verify your hinge placement will allow for a mandatory 100mm ground clearance beneath the gate across its entire opening arc. Attach the APS Bottom Hydraulic Closer to the hydraulic gate leaf.

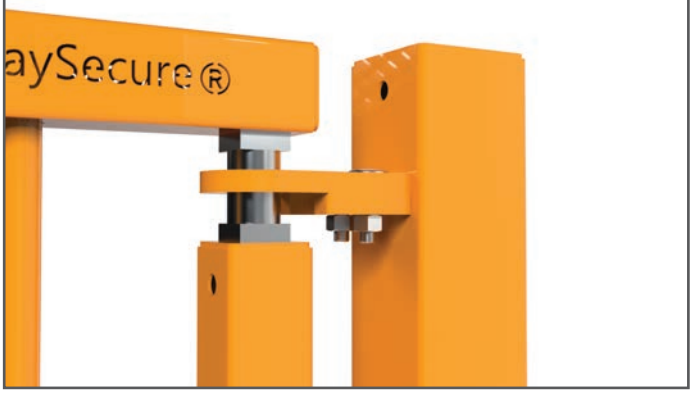
6 Carefully lift the gate leaf into position. Align the top hinge assembly and the bottom hydraulic closer with the corresponding receiving brackets on the hinge post, and slide the leaf onto the brackets ready for fixing.



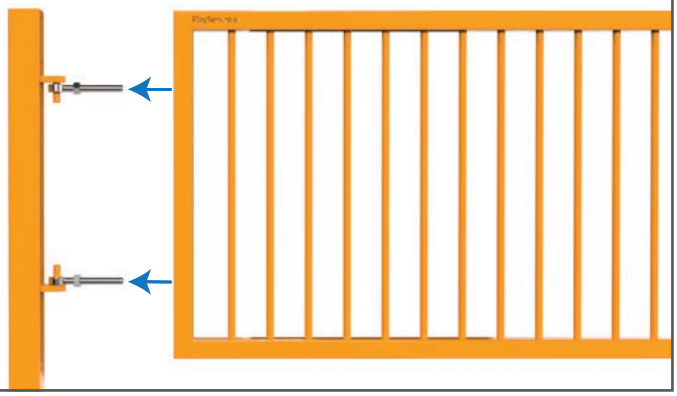
Note: Installation of the 3mm Gate Restrainer is essential to prevent the heavy machinery leaf from falling in the unlikely event of hinge failure!

7 Attach the APS fixings to secure the lower gate pivot to the hinge post bracket, ensuring the gate remains perfectly level. For detailed guidance on the exact assembly and tension adjustments, please refer to the manual inside the Gatemaster APS closer box.

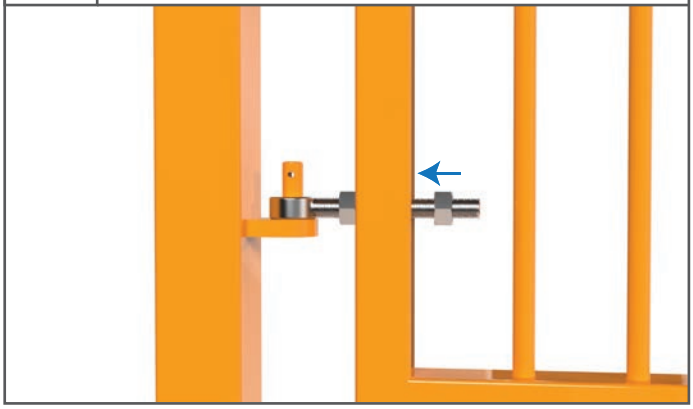
8 Secure the upper gate pivot to the post bracket using the APS top hinge fixings. Follow the Gatemaster manual closely to ensure the hinge is aligned correctly and safely tightened.



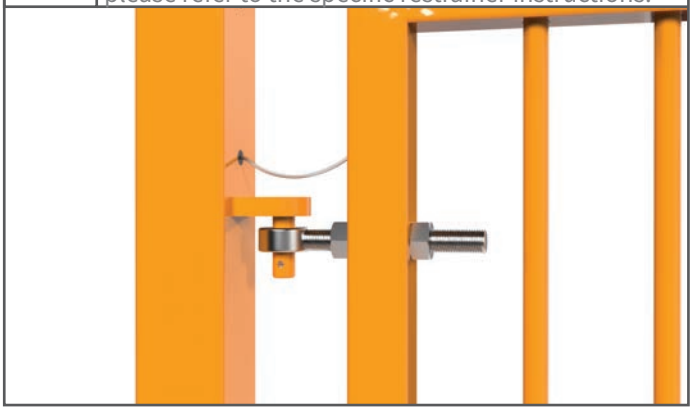
9 Carefully lift the machinery leaf into position and slide it onto the pre-installed eyebolts. Ensure a second person holds the top eyebolt securely in place to prevent it from dropping down during installation.



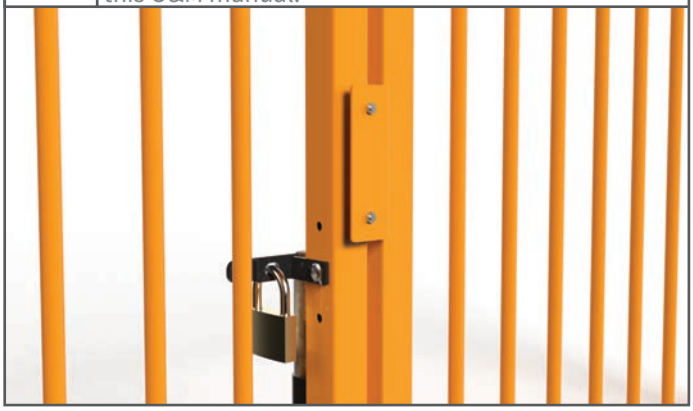
10 With the gate leaf positioned on the eyebolts, thread on the outer nuts. Adjust both the inner and outer nuts to set the correct hinge gap, ensuring the gate remains perfectly level, then fully tighten.



11 Install the safety restrainer cable securely between the gate post and the machinery leaf. This is a crucial safety feature designed to catch the gate if a hinge fails. For detailed fitting guidelines and positioning, please refer to the specific restrainer instructions.



12 Mount the slam plate to the gate leaf, ensuring it aligns perfectly with the machinery leaf in the closed position. For detailed assembly instructions, please refer to the slam plate guide provided later in this O&M manual.



Note: Installation of the 3mm Gate Restrainer is essential to prevent the heavy machinery leaf from falling in the unlikely event of hinge failure!

12	Align both leaves in the closed position to install the central latch and drop bolt assembly. Ensure the drop bolt slides smoothly into the ground socket and the slam plate engages correctly with the machinery leaf for a secure, flush finish.

13	Test the pedestrian leaf to ensure the hydraulic closer shuts gently without slamming. Once satisfied with the alignment and smooth operation, permanently secure the system by fully tightening and shearing off all security nuts.

Note: Installation of the 3mm Gate Restrainer is essential to prevent the heavy machinery leaf from falling in the unlikely event of hinge failure!

What is a PlaySecure® Slam Plate and Rubber Fixing Kit?

The PlaySecure® Slam Plate and Rubber Fixing Kit is an essential hardware assembly designed to securely catch and cushion a closing gate leaf. It is specifically engineered to absorb the impact of hydraulic self-closing gates, helping to reduce noise and prevent wear on the gate frame.

Key Features

Robust Steel Construction: Manufactured from 3mm thick pre-galvanised steel, the angled slam plate provides a highly durable and corrosion-resistant catch point capable of withstanding constant daily use.

Impact-Absorbing Rubber Pad: Features a heavy-duty, 12mm thick bolt-on rubber pad designed to cushion the self-closing gate. This drastically reduces operational noise and protects the gate's coating and structure from repeated metal-on-metal impacts.

Complete Galvanised Hardware: The kit comes fully equipped with the exact fixings required for installation, including two M8 x 20mm and two M8 x 65mm cup head galvanised bolts.

Tamper-Resistant Fastenings: To ensure maximum security in public spaces, the kit includes four M8 snap-off security nuts. Once tightened, the heads shear off to create a permanent, vandal-proof fixture that cannot be easily undone.

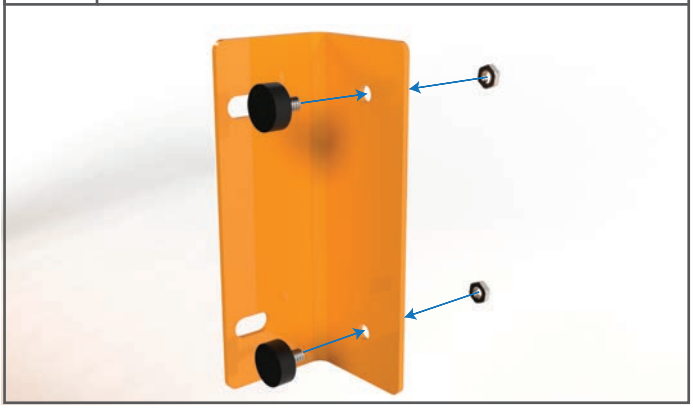
PlaySecure® SLAM PLATE AND RUBBER FIXING KIT

A robust, impact-absorbing hardware solution ideal for schools and community play areas. This PlaySecure® slam plate ensures a quiet, secure, and controlled catch for hydraulic self-closing gates, preventing metal-on-metal wear. The complete kit includes the pre-galvanised steel catch plate, two heavy-duty rubber bolt on pads, and all necessary tamper-resistant security hardware.

Illustration	Description	Product Code	Quantity
	PlaySecure® SLAM PLATE	ENVI-PLA-3110	1
	RUBBER IMPACT BUFFER WITH M6 x 10MM BOLT & NUT	N/A	2
	M8 x 65mm CUP HEAD GALVANISED BOLTS	ENVI-ACC-9200	1
	M8 SNAP OFF NUT FOR SECURITY BOLTS	ACCS-PAL-0003	1

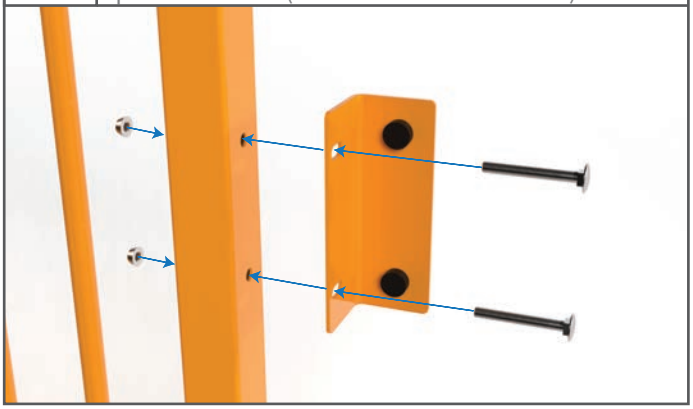
1

Insert the two threaded rubber bumpers through the standard round holes on the face of the L-shaped metal slam plate. Secure them tightly on the outside of the bracket using the provided hex nuts.



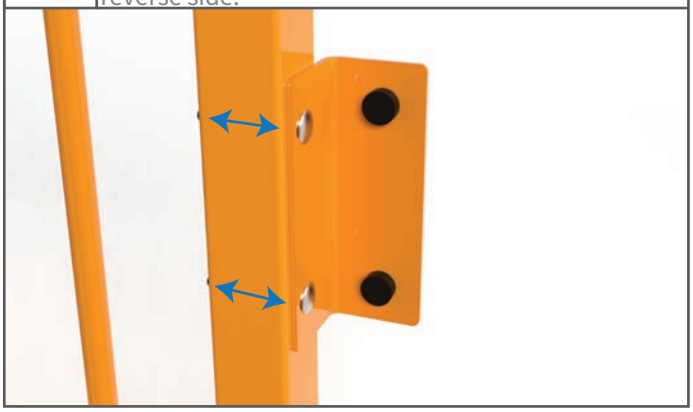
2

Hold the assembled slam plate against the machinery gate. Align the two elongated slots on the plate with the pre-drilled holes running through your Hydraulic gate. Ensure the gate opens outwards (RoSPA Recommendation).



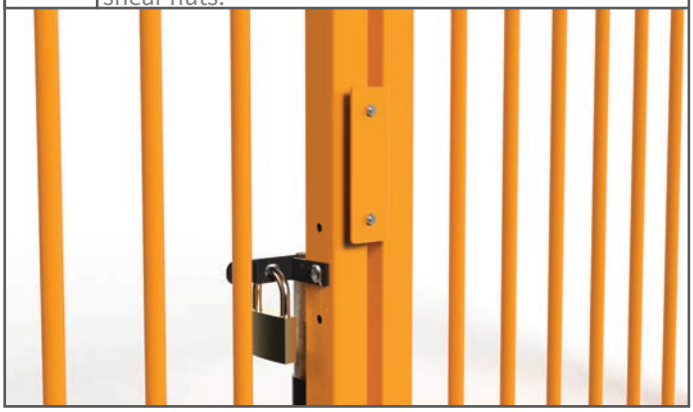
3

Take the two long, dome-headed coach bolts and insert them through the elongated slots on the front of the slam plate. Push the bolts fully through the gate leaf and securely tighten the shear nuts on the reverse side.



4

Finally, before shearing off the security nuts, adjust the slam plate so the rubber bumpers rest perfectly against the catch post or machinery gate when in the closed position. Once happy then shear the shear nuts.



Note: Installation of the M8 snap-off security nuts is essential to prevent tampering and unauthorised removal!

What is a FirstFence Universal Padlockable Drop Bolt Kit?

The FirstFence Universal Padlockable Drop Bolt Kit is an essential security assembly designed to safely anchor and lock a manual gate leaf in place. It is specifically engineered to upgrade a standard heavy-duty drop bolt into a fully lockable system. By integrating a dedicated lock plate and an ergonomic handle, it allows groundskeepers to securely drop the bolt into its ground socket and lock it with a standard padlock. This prevents unauthorised access, tampering, or the accidental opening of machinery and maintenance gates in public spaces.

Key Features

Heavy-Duty Construction: Built from robust pre-galvanised steel to withstand high-traffic use and resist corrosion in outdoor environments, ensuring the manual gate leaf remains securely anchored.

Tamper-Resistant Fixing: The core drop bolt assembly utilises M8 x 80mm galvanised cup head bolts paired with M8 snap-off security nuts, preventing unauthorised removal or tampering in public play areas.

Padlockable Add-on Kit: Transforms a standard drop bolt into a fully lockable system. The included PlaySecure Drop Bolt Lock Plate features a 21mm aperture designed to accommodate a sturdy padlock, securing the bolt in the 'down' position.

Ergonomic Operation: The assembly includes a dedicated PlaySecure Dropbolt Handle and a Universal Handle to make lifting and setting the heavy bolt easier and safer for authorised personnel.

Complete Hardware Included: Supplied with all necessary fixings, including the main bolt guide, fixture plate, anti-removal pin, and stainless steel bolts for the handle assembly, ensuring a complete and secure installation.

PlaySecure® HEAVY DUTY PADLOCKABLE DROP BOLT KIT

A robust, highly secure anchoring solution ideal for schools and community play areas. This heavy-duty PlaySecure® drop bolt delivers reliable ground-locking for manual machinery gates and features a dedicated lock plate that accommodates a standard padlock to prevent unauthorised access. The complete assembly includes the galvanised drop bolt, an ergonomic lifting handle, the padlockable add-on plate, and all necessary tamper-resistant security hardware.

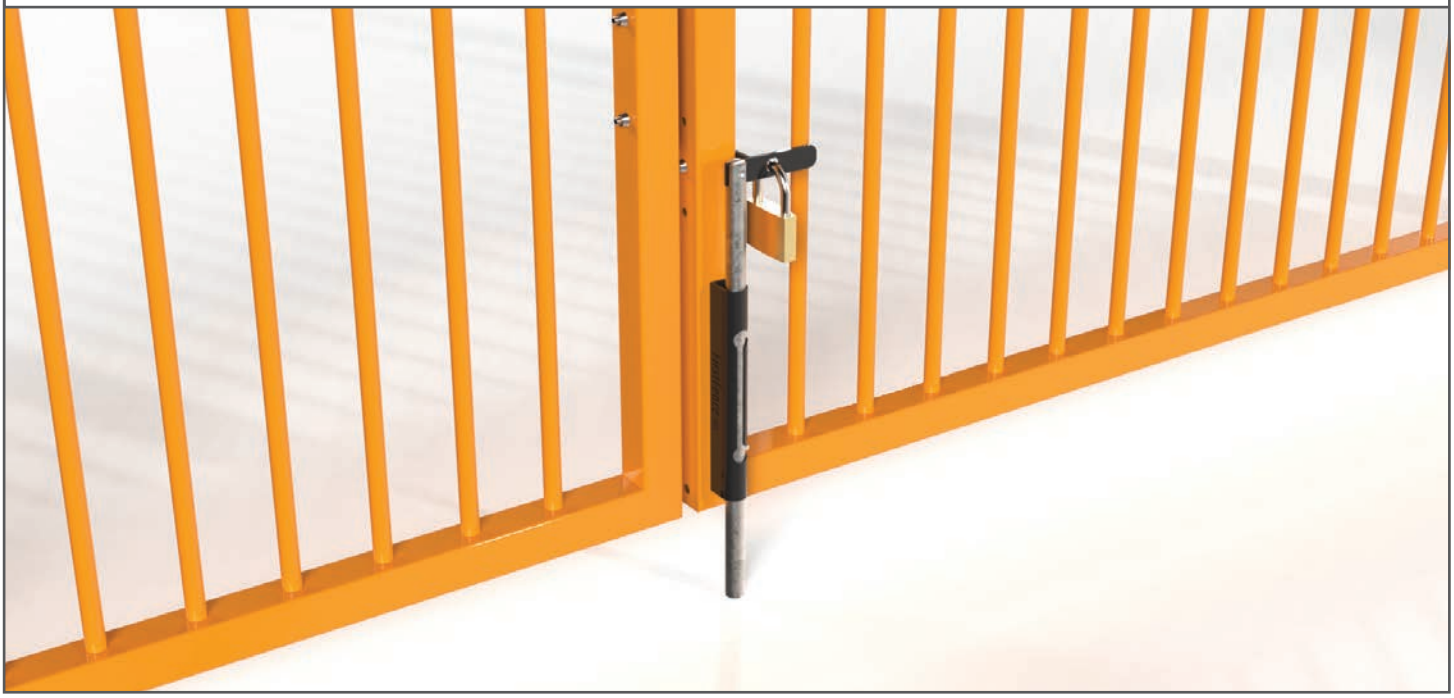
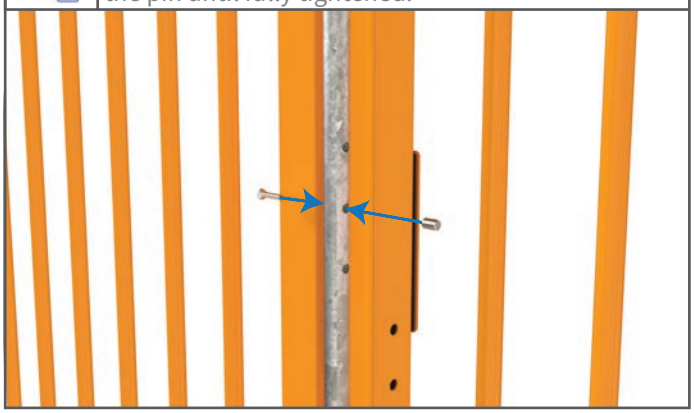


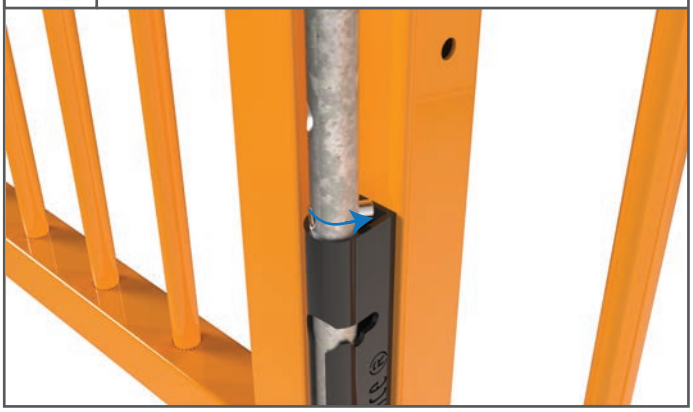
Illustration	Description	Product Code	Quantity
	FIRSTFENCE UNIVERSAL HEAVY DUTY DROP BOLT	ACCS-MSH-1025	1
	PLAYSECURE DROPBOLT HANDLE	ENVI-PLA-3220	1
	PLAYSECURE DROP BOLT LOCK PLATE	ENVI-PLA-3150	1
	M8 x 65mm CUP HEAD GALVANISED BOLTS	ENVI-ACC-9200	1
	M8 SNAP OFF NUT FOR SECURITY BOLTS	ACCS-PAL-0003	1

1 Position the drop bolt guide (fixture plate) against the gate leaf. Insert the two dome-headed coach bolts through the front of the guide and push them entirely through the pre-drilled holes in the gate leaf frame.

2 Attach the 8Ø x 11.5mm threaded pin (M5 size) to the Heavy Duty Locking Drop Bolt Bar. Then, using a Phillips head screwdriver, screw the M5 x 20mm stainless steel CSK crosshead flat-head bolt into the pin until fully tightened.



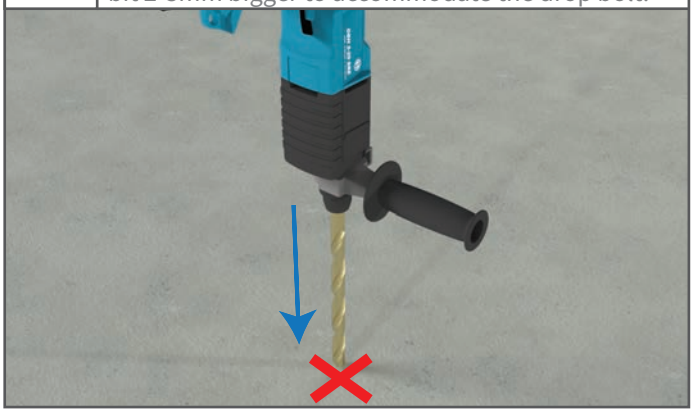
3 Slide the drop bolt bar (with the locking pin installed) into the drop bolt guide. Align it into the corner of the Drop Bolt Fixture Plate.



4 As you insert the drop bolt bar, rotate the bar as needed to ensure the locking pin aligns correctly within the guide slot.

5 Lower the installed drop bolt bar until it rests on the concrete to mark the exact point where it meets the ground. Make sure the Gate is in the lock position before marking.

6 Use a masonry drill or drill relevant to the substrate you are drilling, drill a receiver hole into the ground surface 50 - 100mm down so the bolt can fully drop into the locked position. Use a drill bit 2-3mm bigger to accommodate the drop bolt.



Note: Installation of the M8 snap-off security nuts is essential to prevent tampering and unauthorised removal! Only snap off once installed correctly!

7 Insert the slotted flag into the top of the drop bolt. Insert the small socket head bolt into the side hole at the top of the bar and tighten it with an Allen key, securing the flag firmly. Make sure the flag points inwards to the leaf in the locked position.

8 Position the slotted locking bracket on the machinery gate leaf, ensuring it aligns perfectly with the height and swing of the flag. Secure the bracket to the gate frame using the remaining dome-headed bolt, washer, and nut.

9 Drop the bolt fully into the drilled ground hole. Swing the flag around the side of the gate leaf until it overlaps the slotted locking bracket. Insert a padlock through the aligned holes of the flag and locking bracket to secure your gate.

10 Verify you've used the correct tolerance holes for your site and test the drop bolt for smooth, bind-free alignment. Once satisfied, fully tighten the shear nuts until the heads snap off for a secure, tamper-proof finish.

Note: Installation of the M8 snap-off security nuts is essential to prevent tampering and unauthorised removal! Only snap off once installed correctly!

3.0 Installation Sign-Off Checklist

Action	Description	Consequence	Pass or Fail?	Remedial Action	Initial	Date
Ground Clearance Check	Ensure a strict 100mm ground clearance is maintained beneath the gate leaf across its entire opening arc.	Non-compliant gaps increase the risk of foot entrapment. If the ground is uneven, the gate may 'ground out' and fail to close safely.		Re-level the ground across the gate's opening arc or adjust the hinge positioning to achieve a uniform 100mm clearance.		
Hydraulic Closer Operation	Test the gate to ensure the APS hydraulic closer shuts the leaf smoothly and consistently against the slam plate without slamming.	A gate that closes too fast poses an impact and entrapment injury risk to children. A gate that fails to latch compromises site security.		Carefully adjust the hydraulic closer tension settings to regulate the closing speed until a steady, safe, and controlled shut is achieved.		
Hardware & Security Checks	Inspect the slam plate, rubber buffer, drop bolts (if applicable), and ensure all M8 snap-off security nuts have been properly sheared off.	Loose components can lead to rattling, excessive wear, and misalignment. Unsheared nuts leave the gate vulnerable to vandalism or tampering.		Tighten any loose fixings, shear off all security nuts, and verify that the gate leaf strikes the rubber buffer squarely upon closing.		
Site Clean Up & Snagging	Conduct a final walk-through. Ensure all construction debris, packaging, and tools are thoroughly removed from the play area and document any defects.	Leftover debris presents severe trip and safety hazards in a child-centric environment. Overlooked defects lead to substandard, unsafe installations.		Immediately remove all waste and clean the surfacing. Document any snags, carry out necessary adjustments, and re-inspect the gate before final handover.		

Sign Off Declaration:

I hereby confirm that this product has been assembled and installed in accordance with the above requirements and any remedial works have been carried out before the final sign off:

Site Supervisor _____

Sign Off Date _____

Relationship to the Client _____

Signature

_____

Note: This is an advisory best practice installation checklist to ensure your PlaySecure® hydraulic gates remain operational, effective, and safe.

4.0 Maintenance Schedule

Check Area	Result	Action
Ensure all steel components are periodically cleaned of bird matter, debris and dirt	This will minimise the harbouring of corrosive matter, which could affect paint and galvanising long term	Pressure wash gently to ensure clear of debris
Ensure gates maintain a strict 100mm ground clearance across the entire opening arc	If gates have sagged or the ground has shifted, this may create non-compliant foot entrapment hazards or cause the gate to 'ground out', preventing safe closure	Adjust hinges to restore the 100mm clearance or re-level the ground beneath the gate's swing path
Check the hydraulic closer operates smoothly and the slam plate/rubber pad are intact	A slamming gate poses a severe impact safety risk to children. A damaged or missing rubber pad increases noise and metal-on-metal wear	Adjust hydraulic closer tension for a steady, controlled shut. Replace missing or damaged 12mm rubber pads to ensure proper noise reduction
Ensure minimal wobble and check that all security fixings and drop bolts are secure	Wobble indicates loose fixings, which can cause misalignment. Unsheared security nuts leave the gate vulnerable to tampering or vandalism	Re-tighten all security fixings. Ensure all M8 snap-off security nuts are properly sheared off. Lubricate drop bolts if stiff

Take the hassle out of your maintenance schedule

First Fence Limited offers an annual inspection programme for your PlaySecure® System.

Contact our team today to include this quote onto your sales order.

highsecuritymaintenance@firstfence.co.uk

Operational Notes

1.0 The PlaySecure® gates and posts are designed specifically for safe pedestrian and machinery access in play areas. Additional loads such as climbing, attaching heavy equipment, or mounting oversized signage may cause deformation or damage to the system.

2.0 All moving components, including top hinges, bottom hydraulic closers, and drop bolts, must be inspected regularly for wear, damage, or misalignment. Replace or repair components as necessary to maintain safe operation.

3.0 Machinery access leaves (on double gates) should be padlockable using a free-swinging padlock on the drop bolt add-on kit. This ensures secure access control while maintaining ease of use for authorised personnel.

4.0 All fixings must be flush with the surface and free from sharp or protruding edges on all accessible faces of the gate to prevent injury in child-centric environments.