

Chain Link Fencing

Operations, Maintenance & Installation Manual

For Chain Link Systems Including Fencing and Posts

Proudly Compliant to:



Contents

1.0 Introduction	3
Disclaimer	3
Copyright	3
Contact	3
Manufacturer	3
2.0 Preface	4
O&M Guide	4
Suitability	4
Design Specification	4
3.0 Safety	5
Competence	5
Liability	5
Personal Protective Equipment	5
Risk Assessment	5
4.0 Installation	6
Types of Post	7
Post Installation - Intermediate Post	8
Post Installation - Two-Way Post	9
Post Installation - Corner Post (1)	10
Post Installation - Corner Post (2)	11
Post Installation - End Post	12
5.0 Bill of Materials	13-31
6.0 Installation Sign Off Checklist	32
7.0 Maintenance Schedule	33
8.0 Operational Notes	34

1.0 Copyright and Disclaimer

Disclaimer

While every attempt has been made to verify the accuracy of the content in this manual 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.

Copyright

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Contact

For inquiries regarding the installation, operation or contents of the manual in relation to the Chain Link Fencing range, please direct your questions to:

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2.0 Preface

O&M Guide

The Chain Link Fencing O&M manual will detail the requirements, safety, site assessment, installation, bill of materials and maintenance best practice.

3.0 Safety

Competence

The range 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

The installation guide should be understood and followed in section 5.0 before any installation activities commence. If any area of the installation is unclear, the installer must contact the manufacturer, outlined in section 1.0 'Contact'. First Fence Limited takes no responsibility for incorrectly installed systems, product, material or components.

Personal Protective Equipment

Site specific installation methods should always be followed, in addition to using the following PPE equipment:



Hard hats
must be worn



Ear protection
must be worn



Foot protection
must be worn



Eye protection
must be worn

Risk Assessment

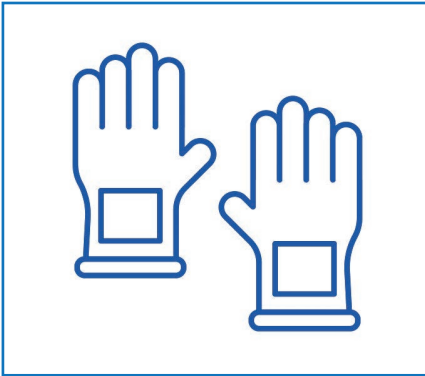
It is the responsibility of the installer to adhere to local risk assessments before installation, including and not limited to the following examples:

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

4.0 Installation

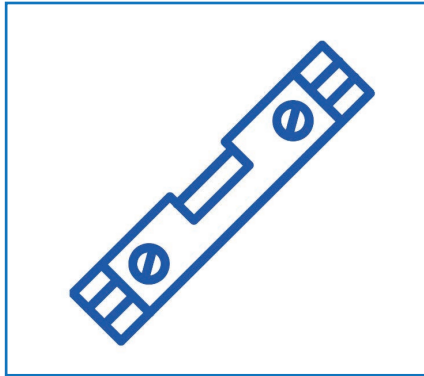
Tools Legend

Safety Gloves



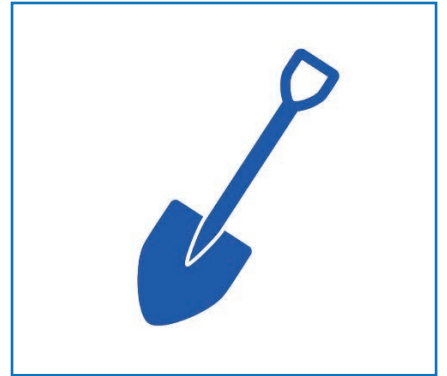
Required for all material handling
Required for any COSHH tasks including post mix
Required for any installation tasks

Spirit Level



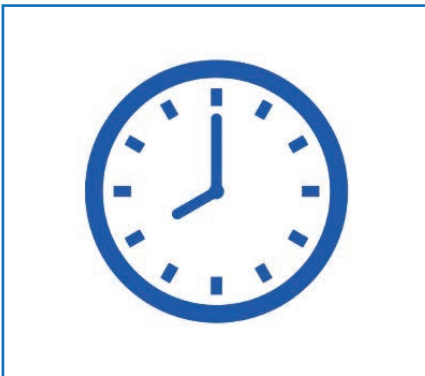
Required for plumb installation of posts and hanging of gates

Shovel/Excavation



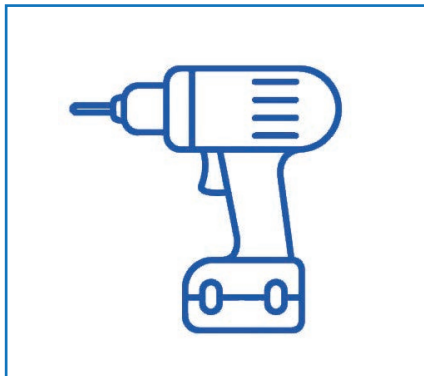
Required for excavation of holes to suit post foundations

Time



Required for post mix curing time
Required for patched fixing curing time

Drill/Buzz Gun



Required for shear nut installation on pales and rails

Attack Face



Defines the outside/attack face of the Chain Link Fencing gates

4.1 Types of Post



Intermediate Post



Two-Way Post

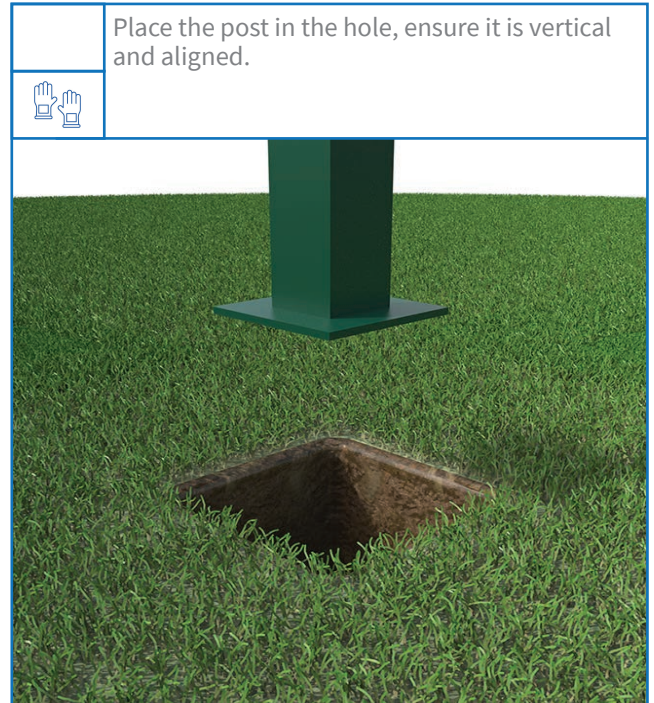


End Post




Corner Post


4.2 Post Installation - Intermediate Post

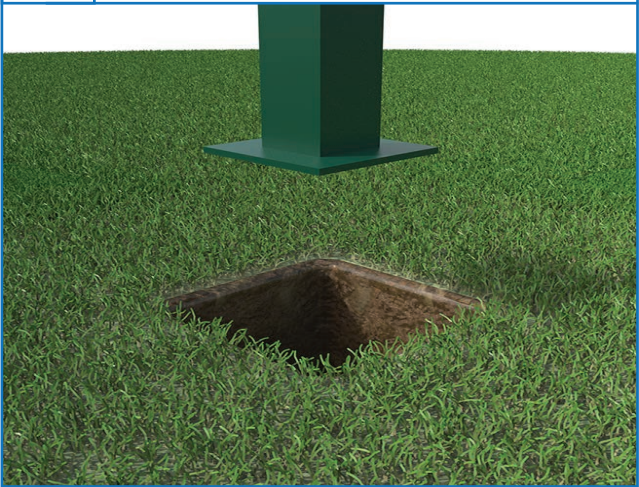



4.3 Post Installation - Two-Way Post

	Dig holes for the two-way posts to the required depth. The 0.9m - 1.8m systems should be 600mm in the ground and the 2.4m 800mm, and 2.75m 850mm. Two-Way posts should be used every 30m.
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	Place the post in the hole, ensure it is vertical and aligned.
---	--




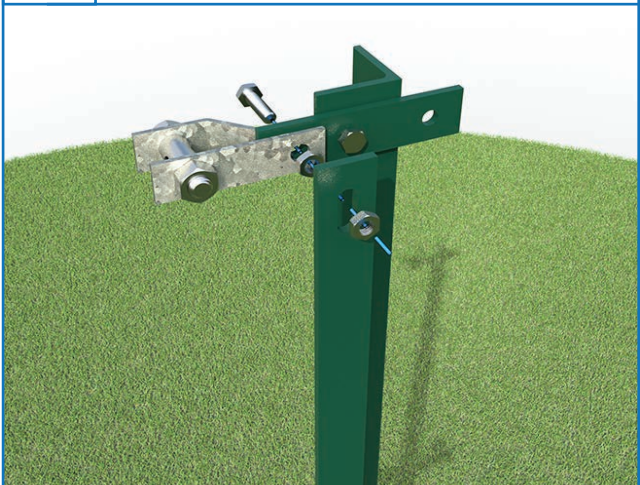
	Secure with concrete or post mix. Let it cure fully. Use two bags of Post Mix per post.
--	---




	Two-Way Bracket (exploded view). The long thread of the bolt passes through and is fastened with a nut.
---	---




	Two-Way Ferrule Winder (exploded view). Secure with bolt and 2 nuts.
--	--



	Two-Way Ferrule Winder (close up).
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4.4 Post Installation - Corner Post 1

	<p>Dig holes for the corner posts to the required depth in the marked out fencing area. The 0.9m - 1.8m systems should be 600mm in the ground and the 2.4m 800mm, and 2.75m 850mm.</p>
	


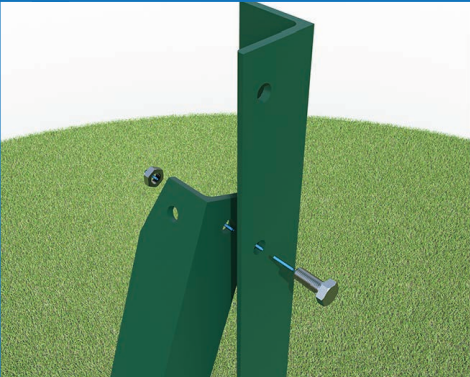
	<p>Place the post in the hole, ensure it is vertical and aligned.</p>
	


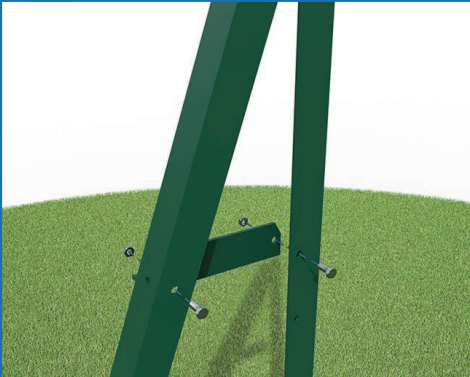
	<p>Secure with concrete or post mix. Let it cure fully. Use two bags of Post Mix per post.</p>
	



	<p>Dig a hole for the first support strut.</p>
	

	<p>Place the post in the hole.</p>
	

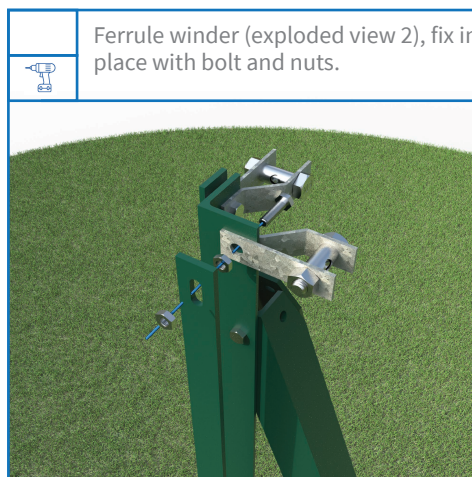
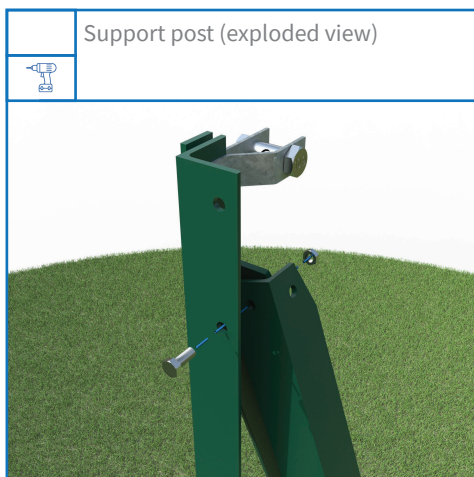
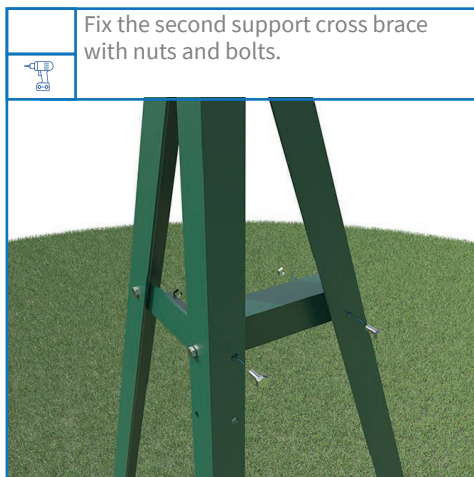
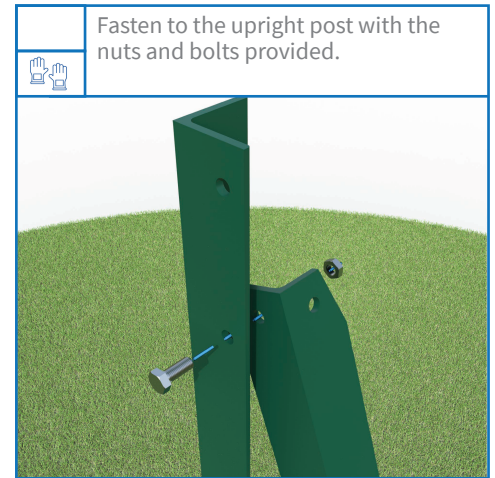
	<p>Secure with concrete or post mix. Let it cure fully. Use two bags of Post Mix per post.</p>
	

	<p>To fasten the strut to the upright, the long thread of the bolt passes through and is fastened with a nut.</p>
	



	<p>Fix the support cross brace with nuts and bolts.</p>
	

	<p>Dig a hole for the second support strut.</p>
	



4.4 Post Installation - Corner Post 2


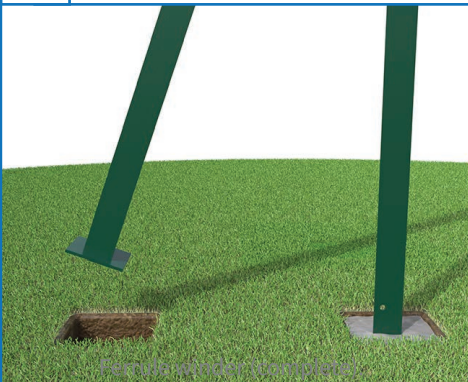


4.5 Post Installation - End Post


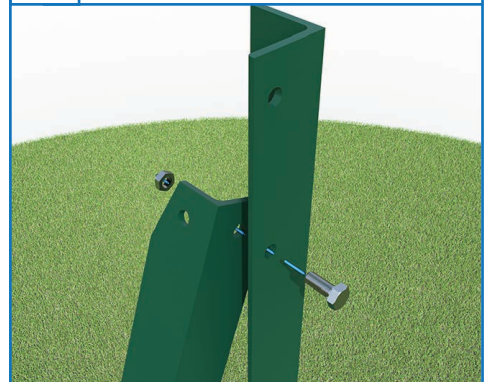
	<p>Dig holes for the end posts to the required depth in the marked out fencing area. The 0.9m - 1.8m systems should be 600mm in the ground and the 2.4m 800mm, and 2.75m 850mm.</p>
	


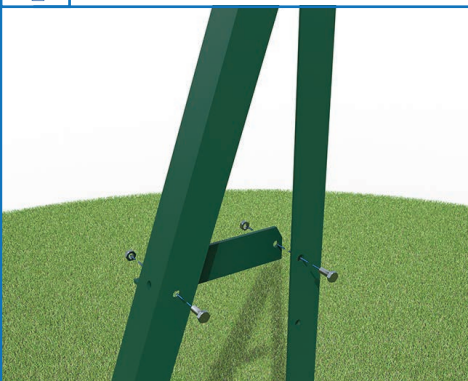
	<p>Secure with concrete or post mix, let it cure fully. Use two bags per post.</p>
	


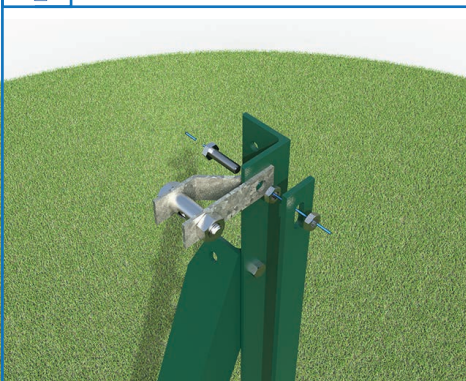
	<p>Dig a hole for the support strut.</p>
	

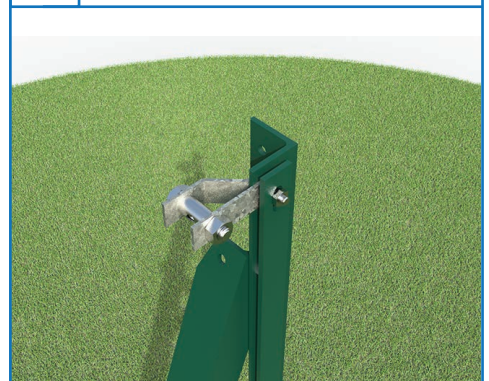
	<p>Place the post in the hole.</p>
	

	<p>Secure with concrete or post mix. Let it cure fully. Use two bags of Post Mix per post.</p>
	

	<p>To fasten the strut to the upright, the long thread of the bolt passes through and is fastened with a nut.</p>
	







	<p>Fix the support cross brace with nuts and bolts.</p>
	

	<p>Attach ferrule winder (exploded view).</p>
	

	<p>Ferrule winder (complete).</p>
	







5.0 Bill of Materials

Intermediate Post

Illustration	Description	Component Code	Quantity
	Intermediate Post 50x50x5mm RSA 1500mm to suit 0.9m system	CHAIN-POST-0010	1
	Intermediate Post 50x50x5mm RSA 1800mm to suit 1.2m system	CHAIN-POST-0011	1
	Intermediate Post 50x50x5mm RSA 2100mm to suit 1.5m system	CHAIN-POST-0012	1
	Intermediate Post 50x50x5mm RSA 2400mm to suit 1.8m system	CHAIN-POST-0013	1
	Intermediate Post 50x50x5mm RSA 3200mm to suit 2.4m system	CHAIN-POST-0014	1
	Intermediate Post 50x50x5mm RSA 3600mm to suit 2.8m system	CHAIN-POST-0015	1

5.0 Bill of Materials

0.9m Two-Way Post Kit Components

Illustration	Description	Component Code	Quantity
	Chain Link Post 50x50x5mm RSA 1500mm to suit 0.9m system	CHAIN-POST-0010	1
	Two-Way Bracket Plate 120x30x5mm Flat	CHAIN-TWOPL-0001	2
	Ferrule Winders ASM	CHAIN-KIT-0001	4
	Hex Head M8 Nut	UNI-SLIDE-5015	2
	Hex Head Bolt M8 x 20mm	UNI-SLIDE-5025	2
	Stretcher Bar 30x5mm Flat 850mm to suit 0.9m system	CHAIN-STRE-0010	2



5.0 Bill of Materials

1.2m Two-Way Post Kit Components

Illustration	Description	Component Code	Quantity
	Chain Link Post 50x50x5mm RSA 1800mm to suit 1.2m system	CHAIN-POST-0020	1
	Two-Way Bracket Plate 120x30x5mm Flat	CHAIN-TWOPL-0001	2
	Ferrule Winders ASM	CHAIN-KIT-0001	4
	Hex Head M8 Nut	UNI-SLIDE-5015	2
	Hex Head Bolt M8 x 20mm	UNI-SLIDE-5025	2
	Stretch Bar 30x5mm Flat 1150mm to suit 1.2m system	CHAIN-STRE-0020	2



5.0 Bill of Materials

1.5m Two-Way Post Kit Components

Illustration	Description	Component Code	Quantity
	Chain Link Post 50x50x5mm RSA 2100mm to suit 1.5m system	CHAIN-POST-0030	1
	Two-Way Bracket Plate 120x30x5mm Flat	CHAIN-TWOPL-0001	3
	Ferrule Winders ASM	CHAIN-KIT-0001	6
	Hex Head M8 Nut	UNI-SLIDE-5015	3
	Hex Head Bolt M8 x 20mm	UNI-SLIDE-5025	3
	Stretcher Bar 30x5mm Flat 1450mm to suit 1.5m system	CHAIN-STRE-0030	2

5.0 Bill of Materials

1.8m Two-Way Post Kit Components

Illustration	Description	Component Code	Quantity
	Chain Link Post 50x50x5mm RSA 2400mm to suit 1.8m system	CHAIN-POST-0040	1
	Two-Way Bracket Plate 120x30x5mm Flat	CHAIN-TWOPL-0001	4
	Ferrule Winders ASM	CHAIN-KIT-0001	8
	Hex Head M8 Nut	UNI-SLIDE-5015	4
	Hex Head Bolt M8 x 20mm	UNI-SLIDE-5025	4
	Stretch Bar 30x5mm Flat 1750mm to suit 1.8m system	CHAIN-STRE-0040	2






5.0 Bill of Materials

2.4m Two-Way Post Kit Components

Illustration	Description	Component Code	Quantity
	Chain Link Post 50x50x5mm RSA 3200mm to suit 2.4m system	CHAIN-POST-0050	1
	Two-Way Bracket Plate 120x30x5mm Flat	CHAIN-TWOPL-0001	4
	Ferrule Winders ASM	CHAIN-KIT-0001	8
	Hex Head M8 Nut	UNI-SLIDE-5015	4
	Hex Head Bolt M8 x 20mm	UNI-SLIDE-5025	4
	Stretcher Bar 30x5mm Flat 2350mm to suit 2.4m system	CHAIN-STRE-0050	2

5.0 Bill of Materials

2.8m Two-Way Post Kit Components

Illustration	Description	Component Code	Quantity
	Chain Link Post 50x50x5mm RSA 3600mm to suit 2.8m system	CHAIN-POST-0060	1
	Two-Way Bracket Plate 120x30x5mm Flat	CHAIN-TWOPL-0001	5
	Ferrule Winders ASM	CHAIN-KIT-0001	10
	Hex Head M8 Nut	UNI-SLIDE-5015	5
	Hex Head Bolt M8 x 20mm	UNI-SLIDE-5025	5
	Stretchers Bar 30x5mm Flat 2750mm to suit 2.8m system	CHAIN-STRE-0060	2

5.0 Bill of Materials

0.9m Corner Post Kit Components

Illustration	Description	Component Code	Quantity
	Chain Link Post 50x50x5mm RSA 1500mm to suit 0.9m system	CHAIN-POST-0010	1
	Ferrule Winders ASM	CHAIN-KIT-0001	4
	Hex Head M8 Nut	UNI-SLIDE-5015	6
	Hex Head Bolt M8 x 20mm	UNI-SLIDE-5025	6
	Support Beam 50x50x5mm RSA 1490mm to suit 0.9m system	CHAIN-SUPP-0010	2
	Brace Cross Beam 50x50x5mm RSA 200mm	CHAIN-CROSS-0001	2
	Stretcher Bar 30x5mm Flat 850mm to suit 0.9m system	CHAIN-STRE-0010	2

5.0 Bill of Materials

1.2m Corner Post Kit Components

Illustration	Description	Component Code	Quantity
	Chain Link Post 50x50x5mm RSA 1800mm to suit 1.2m system	CHAIN-POST-0020	1
	Ferrule Winders ASM	CHAIN-KIT-0001	4
	Hex Head M8 Nut	UNI-SLIDE-5015	6
	Hex Head Bolt M8 x 20mm	UNI-SLIDE-5025	6
	Support Beam 50x50x5mm RSA 1815mm to suit 1.2m system	CHAIN-SUPP-0020	2
	Brace Cross Beam 50x50x5mm RSA 200mm	CHAIN-CROSS-0001	2
	Stretcher Bar 30x5mm Flat 1150mm to suit 1.2m system	CHAIN-STRE-0020	2

5.0 Bill of Materials

1.5m Corner Post Kit Components

Illustration	Description	Component Code	Quantity
	Chain Link Post 50x50x5mm RSA 2100mm to suit 1.5m system	CHAIN-POST-0030	1
	Ferrule Winders ASM	CHAIN-KIT-0001	6
	Hex Head M8 Nut	UNI-SLIDE-5015	6
	Hex Head Bolt M8 x 20mm	UNI-SLIDE-5025	6
	Support Beam 50x50x5mm RSA 2115mm to suit 1.5m system	CHAIN-SUPP-0030	2
	Brace Cross Beam 50x50x5mm RSA 200mm	CHAIN-CROSS-0001	2
	Stretcher Bar 30x5mm Flat 1450mm to suit 1.5m system	CHAIN-STRE-0030	2

5.0 Bill of Materials

1.8m Corner Post Kit Components

Illustration	Description	Component Code	Quantity
	Chain Link Post 50x50x5mm RSA 2400mm to suit 1.8m system	CHAIN-POST-0040	1
	Ferrule Winders ASM	CHAIN-KIT-0001	8
	Hex Head M8 Nut	UNI-SLIDE-5015	6
	Hex Head Bolt M8 x 20mm	UNI-SLIDE-5025	6
	Support Beam 50x50x5mm RSA 2390mm to suit 1.8m system	CHAIN-SUPP-0040	2
	Brace Cross Beam 50x50x5mm RSA 200mm	CHAIN-CROSS-0001	2
	Stretcher Bar 30x5mm Flat 1750mm to suit 1.8m system	CHAIN-STRE-0040	2


5.0 Bill of Materials

2.4m Corner Post Kit Components

Illustration	Description	Component Code	Quantity
	Chain Link Post 50x50x5mm RSA 3200mm to suit 2.4m system	CHAIN-POST-0050	1
	Ferrule Winders ASM	CHAIN-KIT-0001	8
	Hex Head M8 Nut	UNI-SLIDE-5015	6
	Hex Head Bolt M8 x 20mm	UNI-SLIDE-5025	6
	Support Beam 50x50x5mm RSA 2365mm to suit 2.4m system	CHAIN-SUPP-0050	2
	Brace Cross Beam 50x50x5mm RSA 200mm	CHAIN-CROSS-0001	2
	Stretcher Bar 30x5mm Flat 2350mm to suit 2.4m system	CHAIN-STRE-0050	2

5.0 Bill of Materials

2.8m Corner Post Kit Components

Illustration	Description	Component Code	Quantity
	Chain Link Post 50x50x5mm RSA 3600mm to suit 2.8m system	CHAIN-POST-0060	1
	Ferrule Winders ASM	CHAIN-KIT-0001	10
	Hex Head M8 Nut	UNI-SLIDE-5015	6
	Hex Head Bolt M8 x 20mm	UNI-SLIDE-5025	6
	Support Beam 50x50x5mm RSA 2390mm to suit 2.8m system	CHAIN-SUPP-0060	2
	Brace Cross Beam 50x50x5mm RSA 200mm	CHAIN-CROSS-0001	2
	Stretcher Bar 30x5mm Flat 2750mm to suit 2.8m system	CHAIN-STRE-0060	2

5.0 Bill of Materials

0.9m End Post Kit Components

Illustration	Description	Component Code	Quantity
	Chain Link Post 50x50x5mm RSA 1500mm to suit 0.9m system	CHAIN-POST-0010	1
	Ferrule Winders ASM	CHAIN-KIT-0001	2
	Hex Head M8 Nut	UNI-SLIDE-5015	3
	Hex Head Bolt M8 x 20mm	UNI-SLIDE-5025	3
	Support Beam 50x50x5mm RSA 1490mm to suit 0.9m system	CHAIN-SUPP-0010	1
	Brace Cross Beam 50x50x5mm RSA 200mm	CHAIN-CROSS-0001	1
	Stretcher Bar 30x5mm Flat 850mm to suit 0.9m system	CHAIN-STRE-0010	1

5.0 Bill of Materials

1.2m End Post Kit Components

Illustration	Description	Component Code	Quantity
	Chain Link Post 50x50x5mm RSA 1800mm to suit 1.2m system	CHAIN-POST-0020	1
	Ferrule Winders ASM	CHAIN-KIT-0001	2
	Hex Head M8 Nut	UNI-SLIDE-5015	3
	Hex Head Bolt M8 x 20mm	UNI-SLIDE-5025	3
	Support Beam 50x50x5mm RSA 1815mm to suit 1.2m system	CHAIN-SUPP-0020	1
	Brace Cross Beam 50x50x5mm RSA 200mm	CHAIN-CROSS-0001	1
	Stretch Bar 30x5mm Flat 1150mm to suit 1.2m system	CHAIN-STRE-0020	1

5.0 Bill of Materials

1.5m End Post Kit Components

Illustration	Description	Component Code	Quantity
	Chain Link Post 50x50x5mm RSA 2100mm to suit 1.5m system	CHAIN-POST-0030	1
	Ferrule Winders ASM	CHAIN-KIT-0001	3
	Hex Head M8 Nut	UNI-SLIDE-5015	3
	Hex Head Bolt M8 x 20mm	UNI-SLIDE-5025	3
	Support Beam 50x50x5mm RSA 2115mm to suit 1.5m system	CHAIN-SUPP-0030	1
	Brace Cross Beam 50x50x5mm RSA 200mm	CHAIN-CROSS-0001	1
	Stretcher Bar 30x5mm Flat 1450mm to suit 1.5m system	CHAIN-STRE-0030	1

5.0 Bill of Materials

1.8m End Post Kit Components

Illustration	Description	Component Code	Quantity
	Chain Link Post 50x50x5mm RSA 2400mm to suit 1.8m system	CHAIN-POST-0040	1
	Ferrule Winders ASM	CHAIN-KIT-0001	4
	Hex Head M8 Nut	UNI-SLIDE-5015	3
	Hex Head Bolt M8 x 20mm	UNI-SLIDE-5025	3
	Support Beam 50x50x5mm RSA 2390mm to suit 1.8m system	CHAIN-SUPP-0040	1
	Brace Cross Beam 50x50x5mm RSA 200mm	CHAIN-CROSS-0001	1
	Stretch Bar 30x5mm Flat 1750mm to suit 1.8m system	CHAIN-STRE-0040	1

5.0 Bill of Materials

2.4m End Post Kit Components

Illustration	Description	Component Code	Quantity
	Chain Link Post 50x50x5mm RSA 3200mm to suit 2.4m system	CHAIN-POST-0050	1
	Ferrule Winders ASM	CHAIN-KIT-0001	4
	Hex Head M8 Nut	UNI-SLIDE-5015	3
	Hex Head Bolt M8 x 20mm	UNI-SLIDE-5025	3
	Support Beam 50x50x5mm RSA 2365mm to suit 2.4m system	CHAIN-SUPP-0050	1
	Brace Cross Beam 50x50x5mm RSA 200mm	CHAIN-CROSS-0001	1
	Stretcher Bar 30x5mm Flat 2350mm to suit 2.4m system	CHAIN-STRE-0050	1

5.0 Bill of Materials

2.8m End Post Kit Components

Illustration	Description	Component Code	Quantity
	Chain Link Post 50x50x5mm RSA 3600mm to suit 2.8m system	CHAIN-POST-0060	1
	Ferrule Winders ASM	CHAIN-KIT-0001	5
	Hex Head M8 Nut	UNI-SLIDE-5015	3
	Hex Head Bolt M8 x 20mm	UNI-SLIDE-5025	3
	Support Beam 50x50x5mm RSA 2930mm to suit 2.8m system	CHAIN-SUPP-0060	1
	Brace Cross Beam 50x50x5mm RSA 200mm	CHAIN-CROSS-0001	1
	Stretcher Bar 30x5mm Flat 2750mm to suit 2.8m system	CHAIN-STRE-0060	1

6.0 Installation Sign Off Checklist



Note: below is an advisory best practice installation check list to ensure your Chain Link Fencing remains operational, effective and safe.



Action	Description	Consequence	Pass or Fail?	Remedial Action	Initial	Date
Site clean up	Ground clean up involves the thorough removal of all construction debris, surplus materials, packaging, tools, equipment, and waste from the site upon completion of the installation.	Failure to properly clean the site can result in safety hazards such as trips or injuries, delays in project handover, client dissatisfaction, and potential breaches of environmental regulations.		If the site is not properly cleaned, immediate action should be taken to remove all debris, tools, and waste. The area must be made safe, surfaces cleaned, and waste disposed of correctly. A final inspection should be carried out to ensure the site meets the required standards before handover.		
Final inspection and snagging completed	Final inspection and snagging involve a thorough walk through of the completed installation to identify and document any defects, unfinished work, or areas that do not meet the project specifications.	Failure to complete the final inspection and snagging process can result in overlooked defects, safety hazards, and substandard workmanship remaining on site.		To fix snags, first inspect and list all defects or incomplete works. Assign each item to the relevant trade or team, then carry out the necessary repairs or adjustments to meet the required standard. Once completed, recheck the area to ensure the issue is fully resolved.		

Sign off declaration:

I hereby confirm that Chain Link Fencing 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

7.0 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 minimal wobble with posts and tension wire isn't sagging.	If tension wire isn't tight enough the fencing may sag.	Re-tighten security fixings and re-wind the ferrule winder. Apply additional hog ring clips if mesh is slack.

Take the hassle out of your maintenance schedule

First Fence Limited offers an annual inspection programme for your Chain Link Fencing System.

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

highsecuritymaintenance@firstfence.co.uk

8.0 Operational Notes

1.0 The chain link fence system is designed specifically for use. Additional loads such as climbing, attaching sports equipment, or mounting signage may cause deformation or damage to the system.

2.0 All moving components, including gate sliders, hinges, and any third-party locking mechanisms, must be inspected regularly for wear, damage, or misalignment. Replace or repair components as necessary to maintain safe operation.

3.0 All fixings must be flush with the surface and free from sharp or protruding edges on both the internal and external faces to prevent injury.