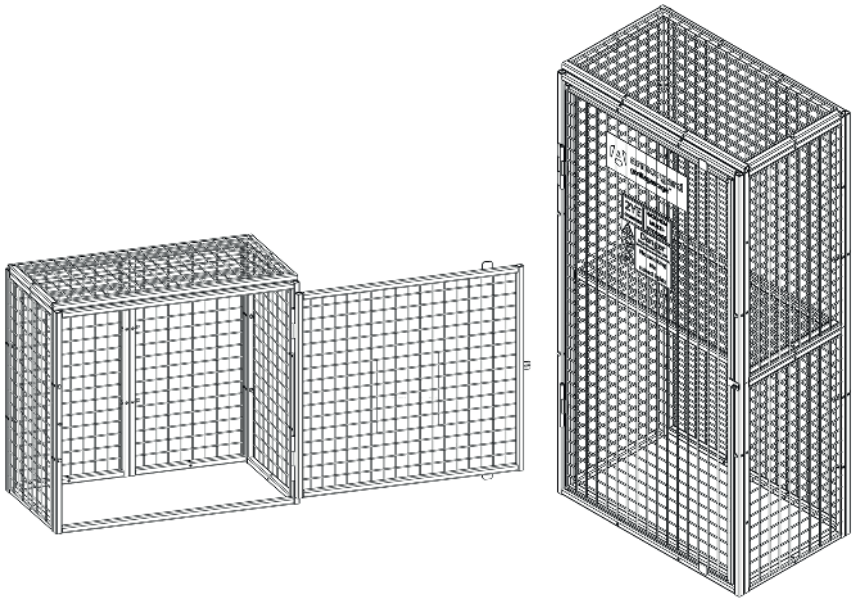
gorilla gas cage™

Operational and maintenance manual

Suitable for: GGC1, GGC2, GGC3, GGC4, GGC5, GGC6, GGC7, GGC8, GGC9, GGC10, GGC11, GGC12, GGC13, GGC14, GGC15, GGC16, GGC17, GGC33, GGC66



armorgard
ticking every box.

Welcome

Welcome to your Armorgard Gorilla Gas Cage. The COSHH compliant, unique, galvanised security cage specially designed for storing gas cylinders. The collapsible container can be erected in minutes from flat-packed panels, making it safe, simple and secure.

Please read this operational and maintenance manual carefully prior to setting up the Gorilla Gas Cage.

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Safety information

- It is important to ensure that our guidelines are followed when assembling the Gorilla Gas Cage. Armorgard cannot be responsible for accidents that occur due to negligence.
- At least two people are required to erect or dismantle the Gorilla Gas Cage, and any relevant risk assessments should be carried out. Care is needed when lifting panels.
- The Gorilla Gas Cage must be positioned on a flat, solid surface, and should be level and stable before being used. The unit is suitable for outdoor use.
- Only competent personnel should build the Gorilla Gas Cage.
- When left unattended, ensure the cage is always locked.
- The Gorilla Gas Cage meets relevant legislation for storing gas bottles.
- There is facility for the unit to be fixed to the ground.
- Do not store more than what the cage is designed for. Please refer to the table on page 6 for a guide on number of gas bottles the cage can store, or contact Armorgard for more information.
- Care should be taken when disassembling the cage. The roof should always be the first thing to be removed before any side panels.

Whilst every effort has been made to ensure this operational and maintenance manual covers every aspect needed to operate your product safely, please take care whilst using the product and always operate with caution. Always liaise with management personnel on site for any additional operational restrictions that you need to be aware of.

Do	Don't
✓ Secure lock when not in use	✗ Attempt to move when loaded/assembled
✓ Ensure parts are fully bolted together	✗ Leave unlocked when unattended
✓ Wear gloves when erecting/dismantling	✗ Use incorrect size cage
✓ Secure the base to the floor	✗ Position on an uneven surface

Product specification

Product code	Description	Weight (kg)	External dimensions W x D x H (mm)	Internal dimensions W x D x H (mm)
GGC1	Gas bottle cage	40	1012 x 563 x 931	950 x 500 x 900
GGC2	Gas bottle cage	62	912 x 576 x 1831	850 x 500 x 1750
GGC3	Gas bottle cage	60	912 x 566 x 1831	850 x 500 x 1800
GGC4	Gas bottle cage	68	1212 x 1266 x 1231	1150 x 1200 x 1200
GGC5	Gas bottle cage	67	912 x 966 x 1831	850 x 900 x 1800
GCC6	Gas bottle cage	87	1212 x 1266 x 1831	1150 x 1200 x 1800
GCC7	Gas bottle cage	98	1812 x 966 x 1831	1750 x 900 x 1800
GGC8	Gas bottle cage	108	1812 x 1266 x 1831	1750 x 1200 x 1800
GGC9	Gas bottle cage	135	1812 x 1866 x 1831	1750 x 1800 x 1800
GGC10	Gas bottle cage	165	2412 x 1866 x 1831	2350 x 1800 x 1800
GGC11	Gas bottle cage	188	2712 x 1866 x 1831	2650 x 1800 x 1800
GGC12	Gas bottle cage	182	2412 x 2466 x 1831	2350 x 2400 x 1800
GGC13	Gas bottle cage	226	2412 x 3666 x 1831	2350 x 3600 x 1800
GGC14	Gas bottle cage	270	2412 x 4866 x 1831	2350 x 4800 x 1800
GGC15	Gas bottle cage	314	2412 x 6066 x 1831	2350 x 6000 x 1800
GGC16	Gas bottle cage	279	3612 x 3666 x 1831	3555 x 3600 x 1800
GGC17	Gas bottle cage	205	3662 x 1810 x 1831	3600 x 1750 x 1800
GGC33	Gas bottle cage	120	1815 x 570 x 1835	900 x 500 x 1800 (per compartment)
GGC66	Gas bottle cage	174	2400 x 1275 x 1830	1200 x 1200 x 1800 (per compartment)

Number of bottles to fit each cage

	Estimated number of bottles that gas cage will fit	
Product code	**19kg, 315x810 (DxH)**	**47kg, 375x1290 (DxH)**
GGC1	3	N/A
GGC2	4	N/A
GGC3	2	2
GGC4	9	N/A
GGC5	4	4
GGC6	9	9
GGC7	10	8
GGC8	15	12
GGC9	25	16
GGC10	35	24
GGC11	40	28
GGC12	49	36
GGC13	77	54
GGC14	105	72
GGC15	126	90
GGC16	121	81
GGC17	55	36
GGC33	4 (both cages)	4 (both cages)
GGC66	18 (both cages)	18 (both cages)

*Assumes no gaps between bottles

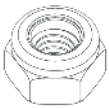
What's included...



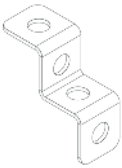
1x Gorilla Gas Cage



M8 x 65mm hex head bolts



M8 nylock nuts



'Z' brackets

Product code	Quantity of screws and nylocks per size	Quantity of 'Z' brackets
GGC1	12	0
GGC2	12	0
GGC3	12	0
GGC4	12	0
GGC5	12	0
GGC6	12	0
GGC7	16	0
GGC8	16	2
GGC9	26	2
GGC10	26	2
GGC11	32	2
GGC12	38	2
GGC13	52	2
GGC14	68	2
GGC15	82	2
GGC16	64	2
GGC17	32	2
GGC33	24	0
GGC66	20	0

What's included...

Product code	Left side	Front	Right side	Rear	Roof
GGC1	1x P1	1x DA	1x P1	2x P1	1x P2
GGC2*	2x P1	1x DB	2x P1	1x P3	1x P1
GGC3	2x P1	1x DB	2x P1	1x P3	1x P1
GGC4	1x P4	1x DC	1x P4	1x P4	1x P4
GGC5	1x P3	1x DB	1x P3	1x P3	1x P5
GGC6	1x P6	1x DD	1x P6	1x P6	1x P4
GGC7	1x P3	1x DB, 1x P3	1x P3	2x P3	1x P3
GGC8	1x P6	1x DB, 1x P3	1x P6	2x P3	1x P6
GGC9	2x P3	1x DB, 1x P3	2x P3	2x P3	2x P3
GGC10	2x P3	1x DD , 1x P6	2x P3	2x P6	2x P6
GGC11	2x P3	1x DB, 2x P3	2x P3	3x P3	3x P3
GGC12	2x P6	1x DD, 1x P6	2x P6	2x P6	4x P4
GGC13	3x P6	1x DD, 1x P6	3x P6	2x P6	6x P4
GGC14	4x P6	1x DD, 1x P6	4x P6	2x P6	8x P4
GGC15	5x P6	1x DD, 1x P6	5x P6	2x P6	10x P4
GGC16	3x P6	1x DD, 2x P6	3x P6	3x P6	9x P4
GGC17	2x P3	1x DD, 2x P6	2x P3	3x P6	3x P6
GGC33	4x P1	2x DB	4x P1	2x P3	2xP1
GGC66	2x P6	2x DD	2x P6	2x P6	2x P4

Panel specification

Panel name	Dimensions W x H (mm)	Weight (kg)
Door A (DA)	900 x 1000	12
Door B (DB)	900 x 1800	18
Door C (DC)	1200 x 1200	16
Door D (DD)	1200 x 1800	21
Panel 1 (P1)	500 x 900	5
Panel 2 (P2)	500 x 1000	6
Panel 3 (P3)	900 x 1800	11
Panel 4 (P4)	1200 x 1200	10
Panel 5 (P5)	900 x 900	7
Panel 6 (P6)	1200 x 1800	13
Panel 7 (P7)	430 x 830	5

* GGC2 includes 1x P7 for the inner shelf

Tools you'll need...



» 1x ratchet



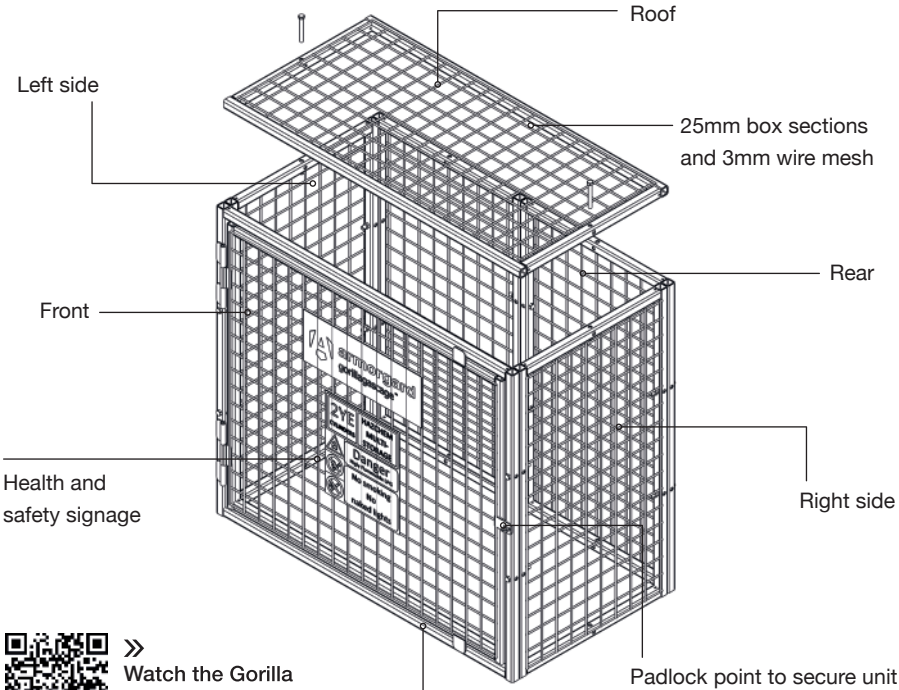
» 1x 13mm socket



» 1x 13mm spanner

Getting to know your Gorilla Gas Cage™

Unique, galvanised gas cage for storing and securing gas cylinders



» **Watch the Gorilla Gas Cage familiarisation video**

COSHH compliant

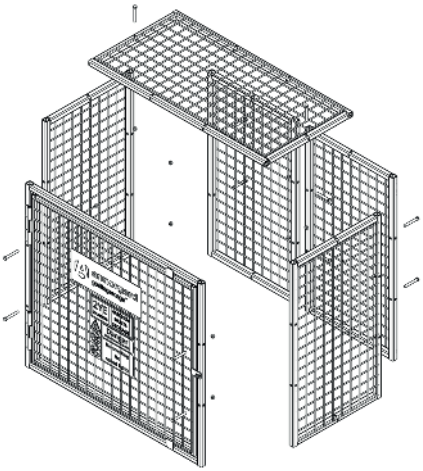
Max. shaft diameter 10mm

Collapsible

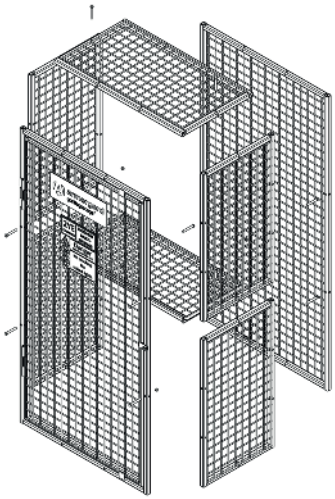
Stackable

Safety signage

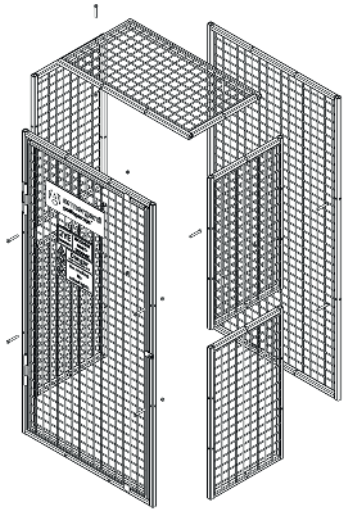
GGC1



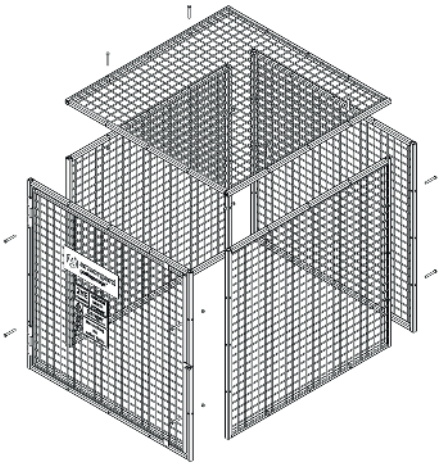
GGC2



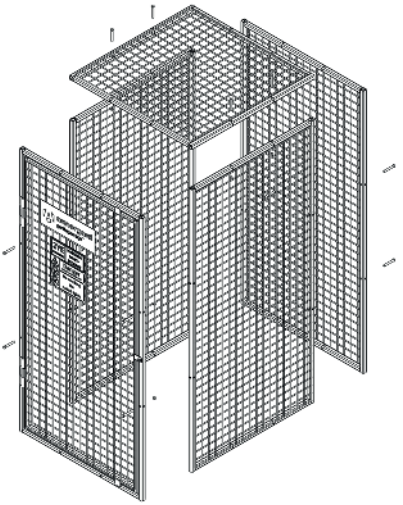
GGC3



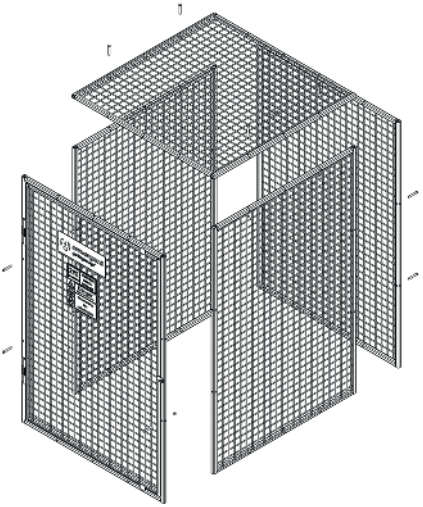
GGC4



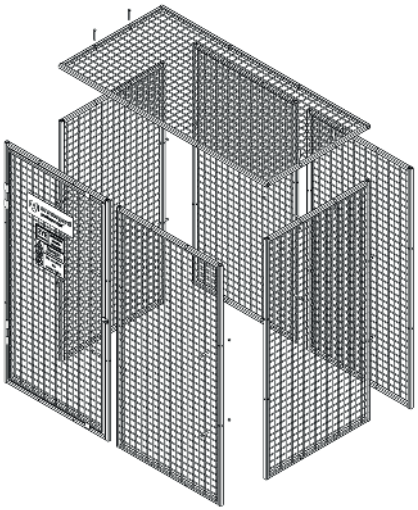
GGC5



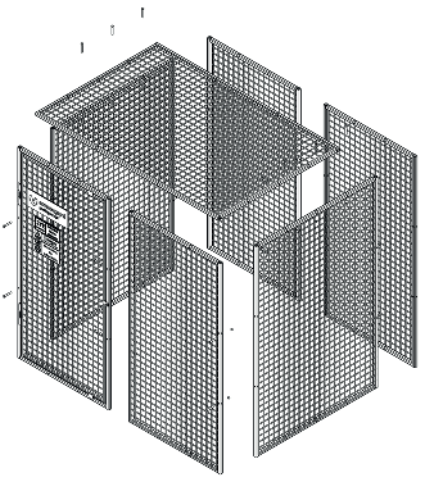
GGC6



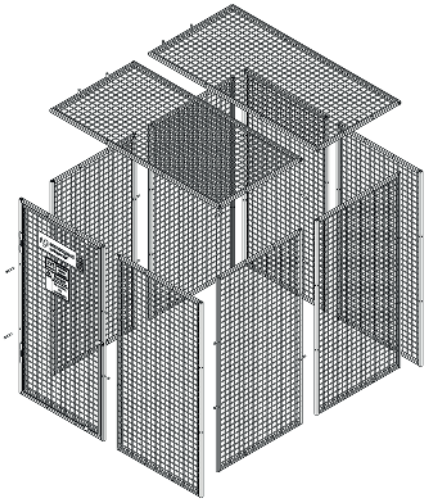
GGC7



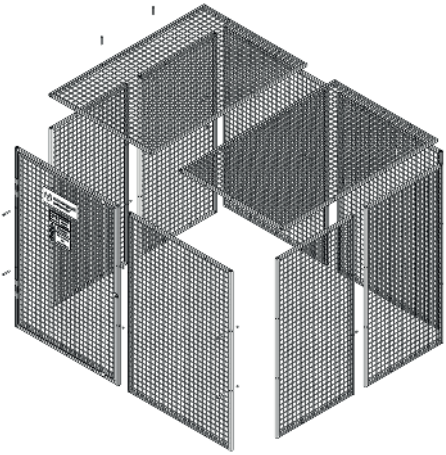
GGC8



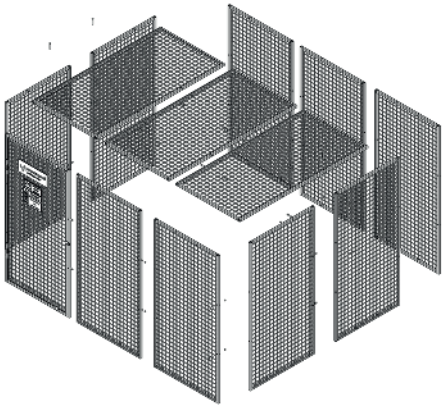
GGC9



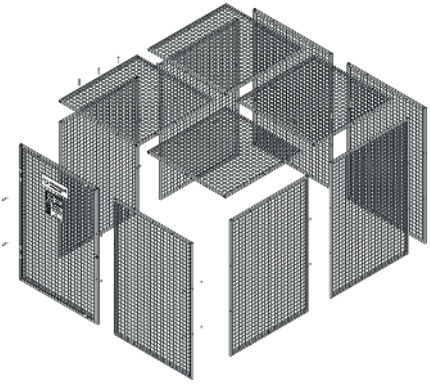
GGC10



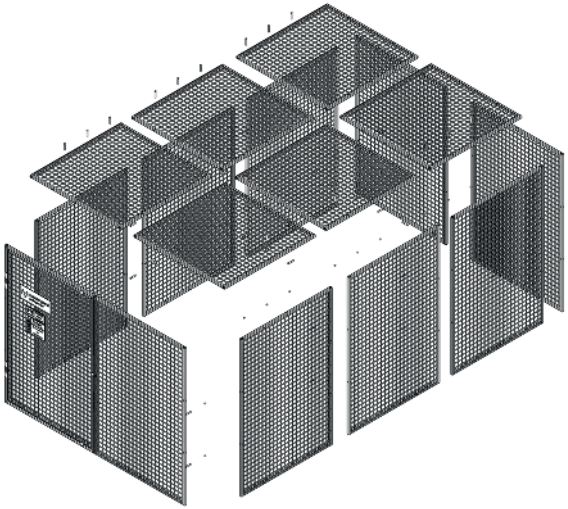
GGC11



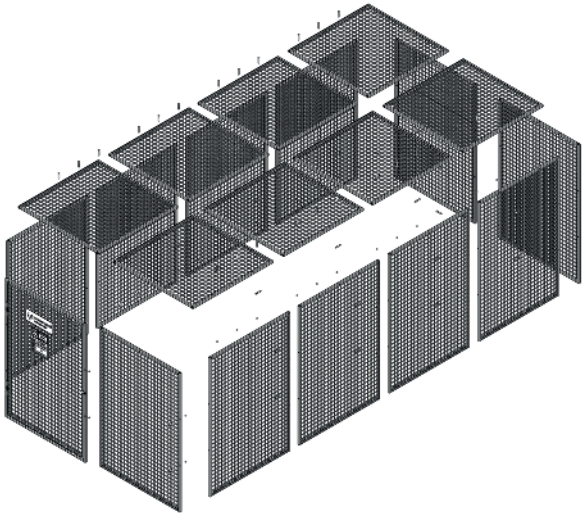
GGC12



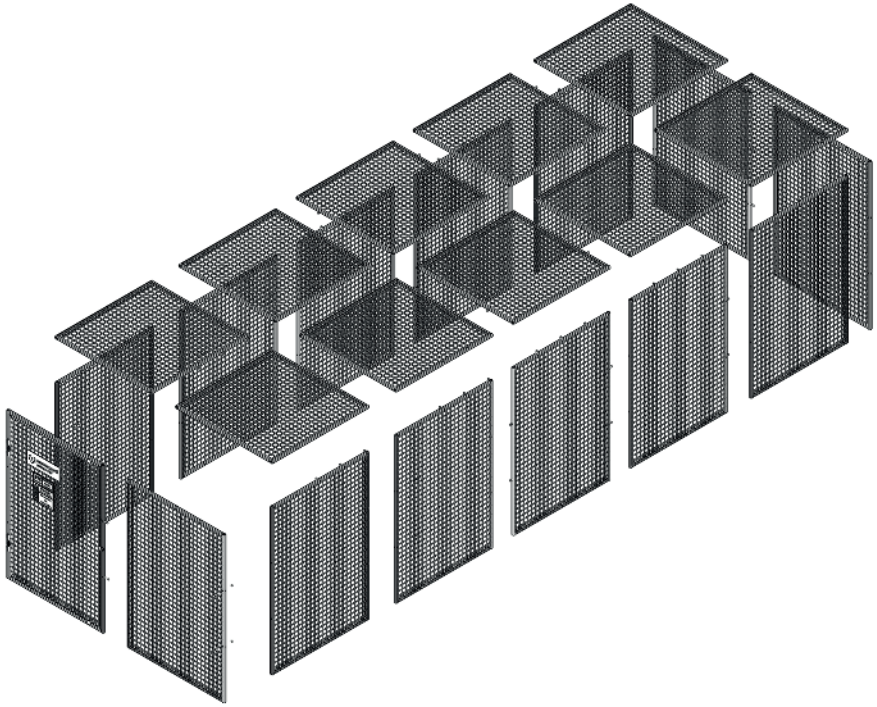
GGC13



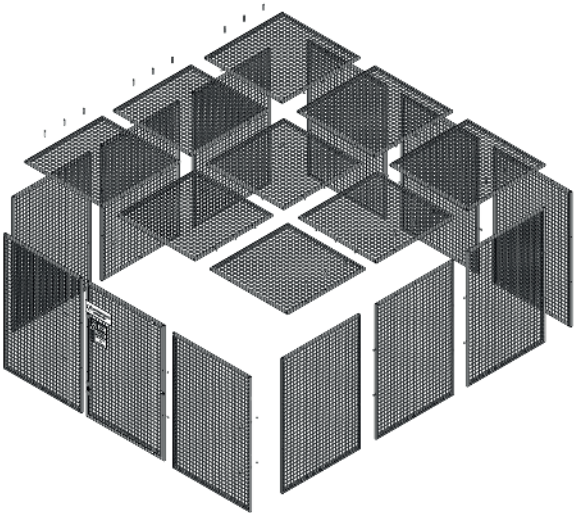
GGC14



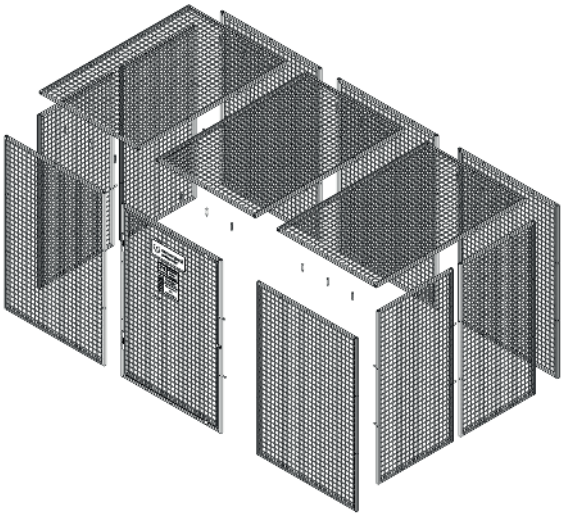
GGC15



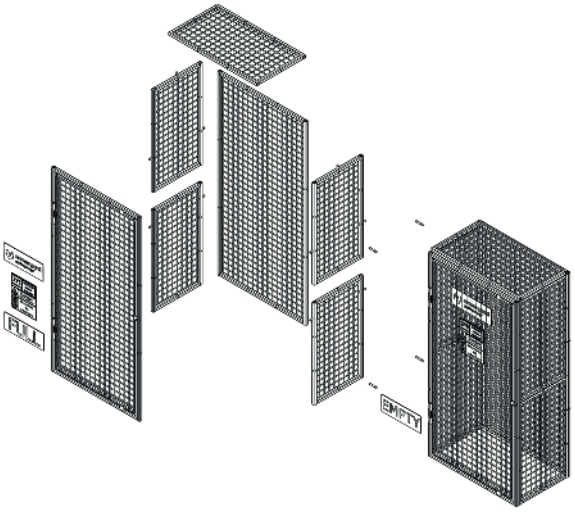
GGC16

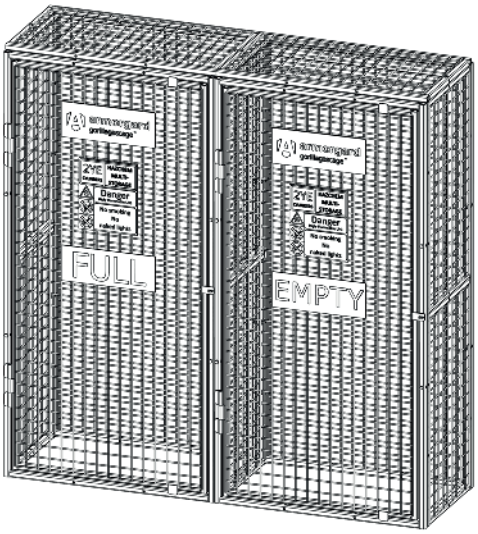


GGC17

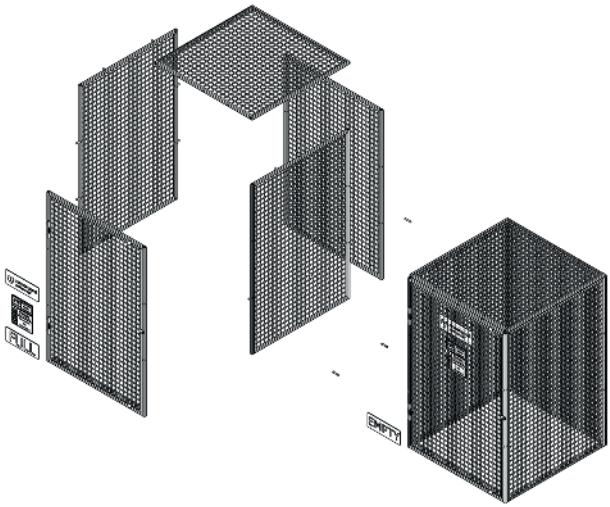


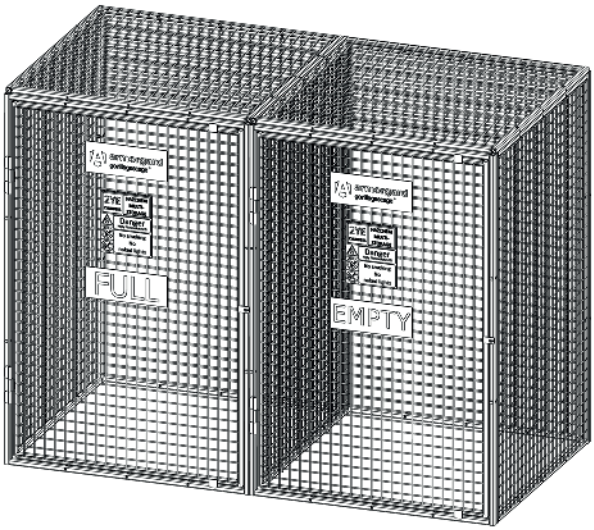
GGC33



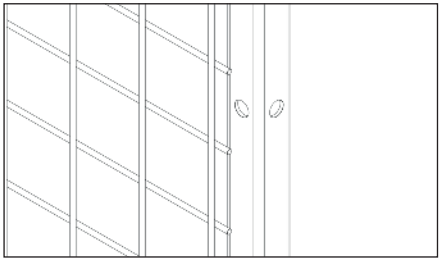


GGC66

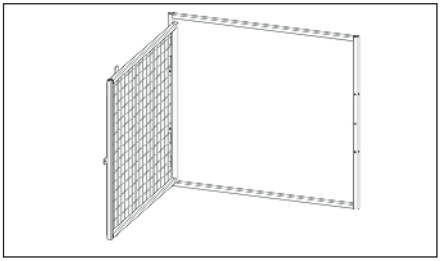




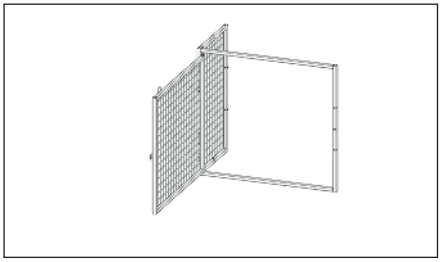
How to assemble GGC1, GGC4, GGC5, GGC6



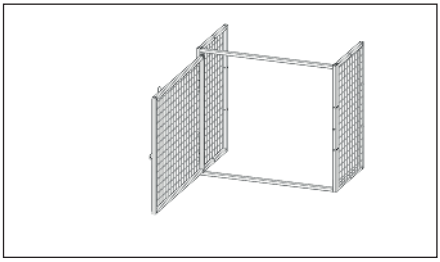
1. Assemble the Gorilla Gas Cage on a level, stable surface. Use the pre-drilled fixing holes to assemble your Gorilla Gas Cage.



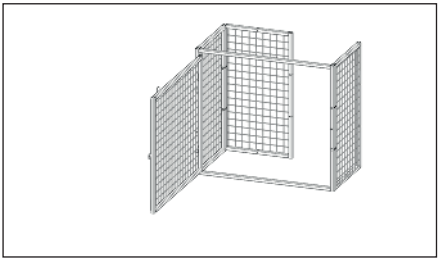
2. Open the door panel of your product so that the panel is upright.



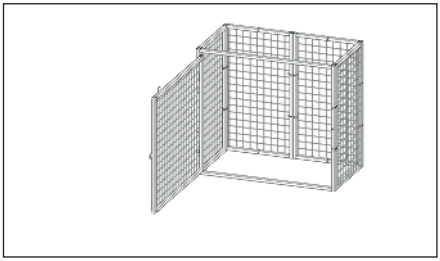
3. Take the left panel and secure it to the inner side of the door using the fixings. Ensure the unit is supported safely as the panel is secured.



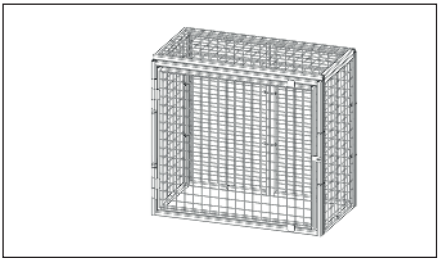
4. Next, take the right panel and secure it to the opposite side to the door panel using the bolts. This should also be bolted to the inner side of the door.



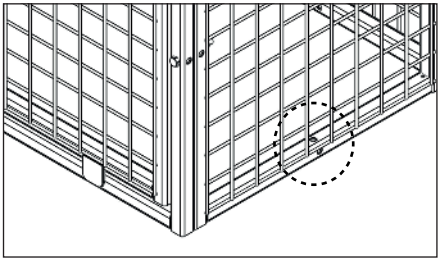
5. Next, bolt the rear panels to the side panels, forming the back.



6. If applicable (GGC1), bolt the back panels together.

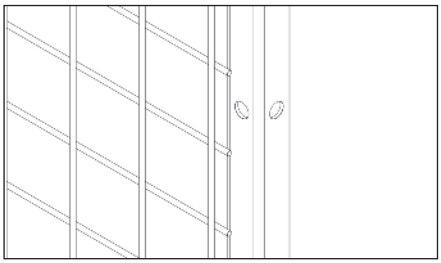


7. Lastly, secure the roof in place by fixing to the left and right panels. Ensure all bolts are equally spaced in aligning holes. Please note that the roof panel does not sit on all four side panels, they should sit on two opposite sides only.

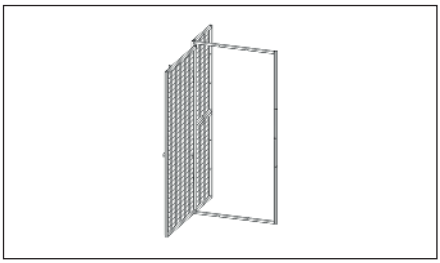


8. The range is designed to sit on any ground terrain, however we recommend using anchor bolts to secure the cage into the ground if being used for long periods. Note there is no base panel required as this would be unstable for the bottles.

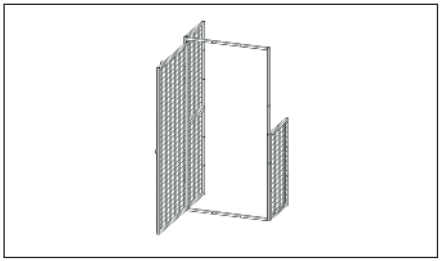
How to assemble GGC2



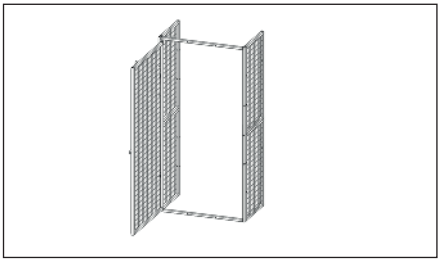
1. Assemble the Gorilla Gas Cage on a level, stable surface. Use the pre-drilled fixing holes to assemble your Gorilla Gas Cage.



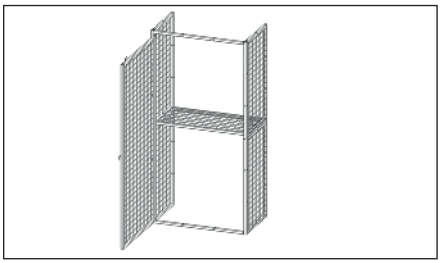
2. Open the door panel so that it is upright. Then, take the lower left panel and secure it to the inner side of the door using the fixings, followed by the left upper panel. At this stage, the side panels should not be bolted together before the shelf is fixed.



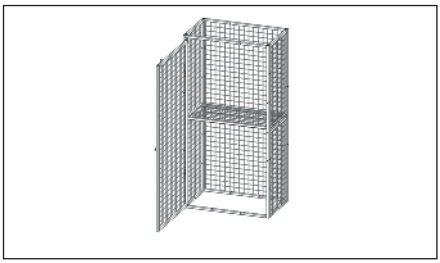
3. Next, take the lower right panel and secure it to the opposite side of the door panel using the bolts. This should also be bolted to the inner side of the door. Always ensure the unit is supported safely as the panels are secured.



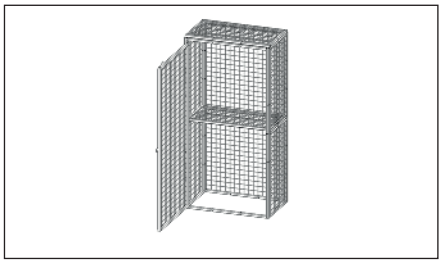
4. Then, fix the upper right panel to the door panel. At this stage, the side panels should not be bolted together before the shelf is fixed.



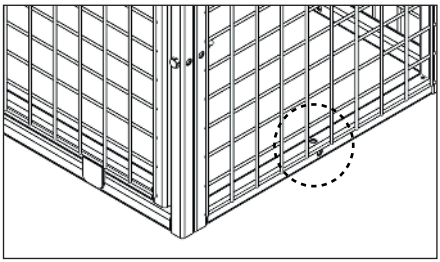
5. Next, fix the inner shelf in place by attaching the panel to the lower left and right side panels. Bolt the panels together.



6. Next, bolt the rear panels to the side panels, forming the back. Bolt the back panels together.

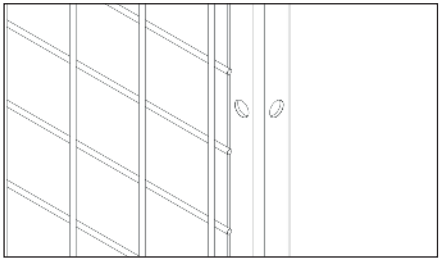


7. Lastly, secure the roof in place by fixing to the left and right side of the panels. Ensure all bolts are equally spaced in aligning holes. Please note that the roof panel does not sit on all four side panels, they should sit on two opposite sides only.

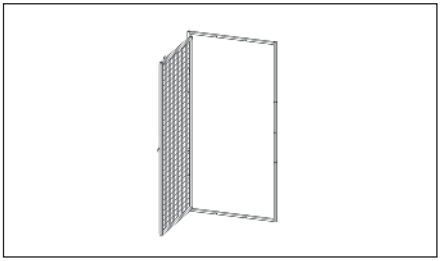


8. The range is designed to sit on any ground terrain, however we recommend using anchor bolts to secure the cage to the ground if being used for long periods. Note there is no base panel required as this would be unstable for the bottles.

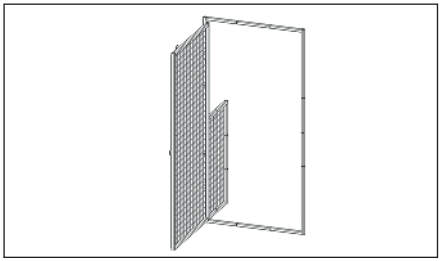
How to assemble GGC3



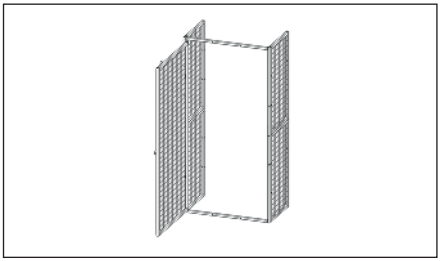
1. Assemble the Gorilla Gas Cage on a level, stable surface. Use the pre-drilled fixing holes to assemble your Gorilla Gas Cage.



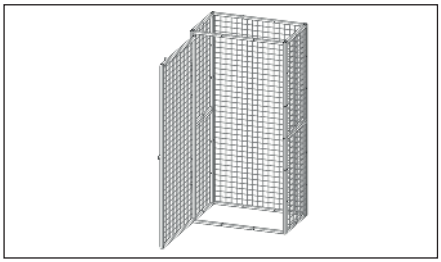
2. Open the door panel of your product so that the panel is upright.



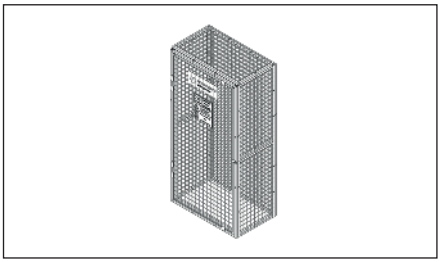
3. Take the left lower panel and secure it to the inner side of the door using the fixings, followed by the left upper panel. Ensure the unit is supported safely as the panel is secured.



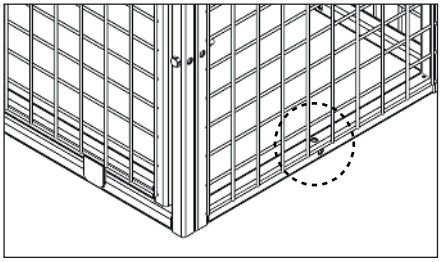
4. Next, take the lower right panel and secure them to the opposite side to the door panel using the bolts, followed by the upper right panel. They should also be bolted to the inner side of the door. Bolt the side panels to each other.



5. Next, bolt the rear panel to the side panels, forming the back.

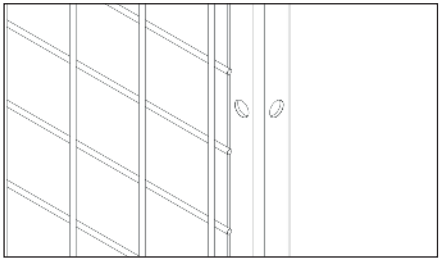


6. Lastly, secure the roof in place by fixing to the left and right side of the panels. Ensure all bolts are equally spaced in aligning holes. Please note that the roof panel does not sit on all four side panels, they should sit on two opposite sides only.

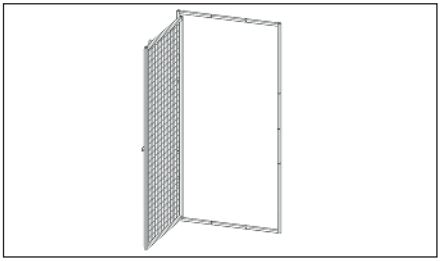


7. The range is designed to sit on any ground terrain, however we recommend using anchor bolts to secure the cage into the ground if being used for long periods. Note there is no base panel required as this would be unstable for the bottles.

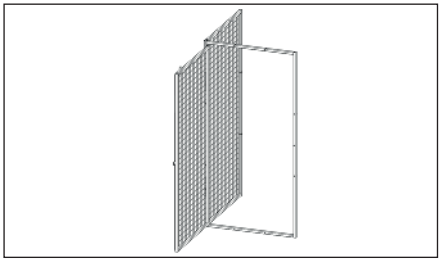
How to assemble GGC7, GGC8



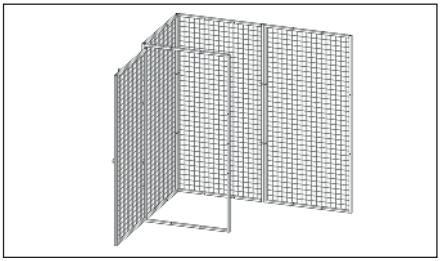
1. Assemble the Gorilla Gas Cage on a level, stable surface. Use the pre-drilled fixing holes to assemble your Gorilla Gas Cage.



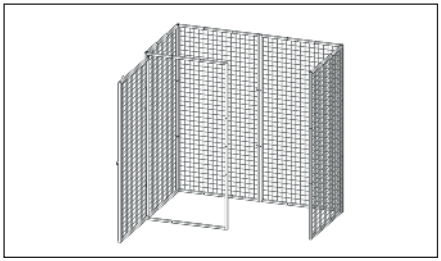
2. Open the door panel of your product so that the panel is upright.



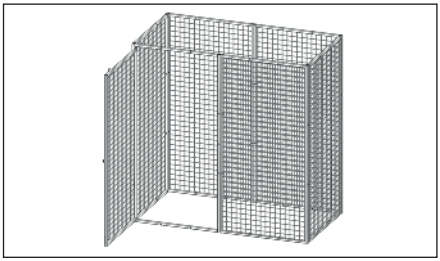
3. Take the left panel and secure it to the inner side of the door using the fixings. Ensure the unit is supported safely as the panel is secured.



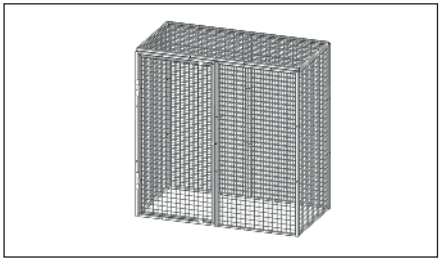
4. Next, bolt the rear panels to the left side panel, forming the back. The rear panel should be fixed onto the outer side of the left panel. Bolt the panels together.



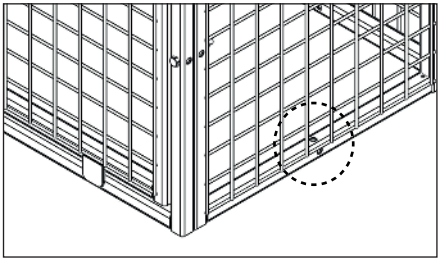
5. Next, take the right panel and secure it to the inner side of the rear panel, opposite the left side.



6. Then, bolt the remaining panel onto the front of the unit, by fixing it to the outer side of the right panel, and fix to the door panel.



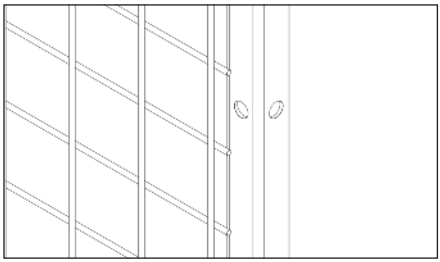
7. Lastly, secure the roof in place by fixing to the left and right side of the panels. Ensure all bolts are equally spaced in aligning holes. Please note that the roof panel does not sit on all four side panels, they should sit on two opposite sides only.



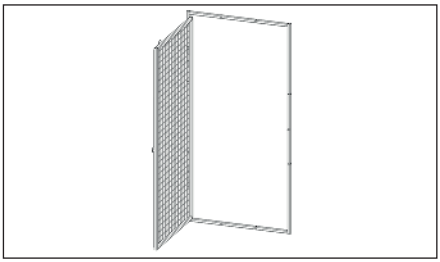
8. The range is designed to sit on any ground terrain, however we recommend using anchor bolts to secure the cage into the ground if being used for long periods. Note there is no base panel required as this would be unstable for the bottles.

Please note that GGC8, GGC9, GGC10, GGC11, GGC12, GGC13, GGC14, GGC15, GGC16 and GGC17 will require 'Z' brackets. Please refer to page 32 on how to fix them.

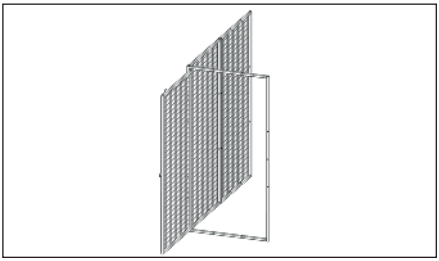
How to assemble GGC9, GGC10, GGC11, GGC12, GGC13, GGC14, GGC15, GGC16



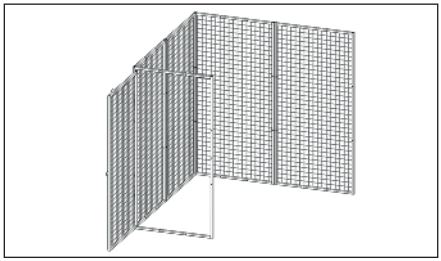
1. Assemble the Gorilla Gas Cage on a level, stable surface. Use the pre-drilled fixing holes to assemble your Gorilla Gas Cage.



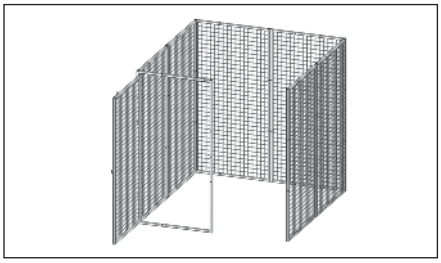
2. Open the door panel of your product so that the panel is upright.



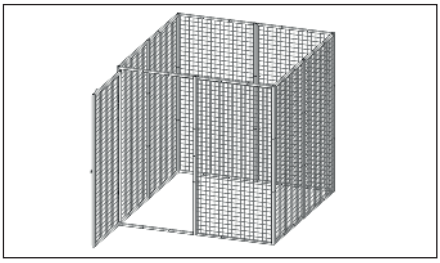
3. Take the left panels and secure them to the inner side of the door using the fixings. Ensure the unit is supported safely as the panels is secured.



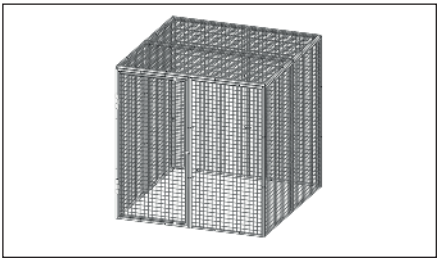
4. Next, bolt the rear panels to the left side panel, forming the back. The rear panels should be fixed onto the outer side of the left panels.



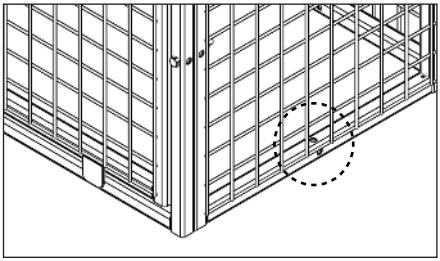
5. Next, take the right panels and secure it to the inner side of the rear panels, opposite the left.



6. Then, bolt the remaining panels onto the front of the unit, by fixing it to the outer side of the right panels, and fix to the door panel.



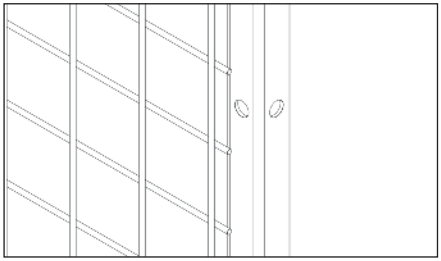
7. Lastly, secure the roof panels in place by fixing to the left and right side of the panels. Bolt the roof panels together. Ensure all bolts are equally spaced in aligning holes. Please note that the roof panel does not sit on all four side panels, they should sit on two opposite sides only.



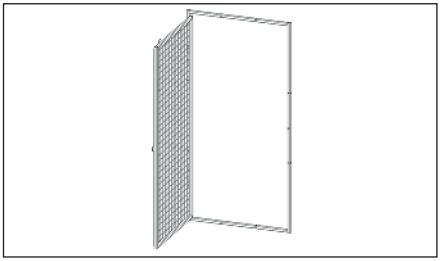
8. The range is designed to sit on any ground terrain, however we recommend using anchor bolts to secure the cage into the ground if being used for long periods. Note there is no base panel required as this would be unstable for the bottles.

Please note that GGC8, GGC9, GGC10, GGC11, GGC12, GGC13, GGC14, GGC15, GGC16 and GGC17 will require 'Z' brackets. Please refer to page 32 on how to fix them.

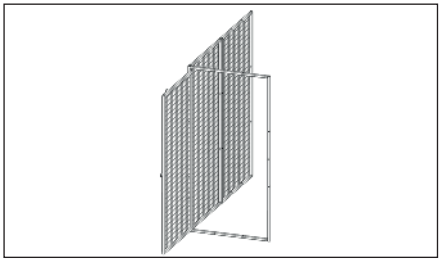
How to assemble GGC17



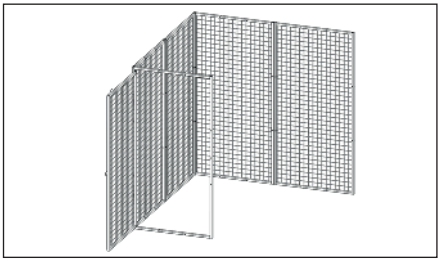
1. Assemble the Gorilla Gas Cage on a level, stable surface. Use the pre-drilled fixing holes to assemble your Gorilla Gas Cage.



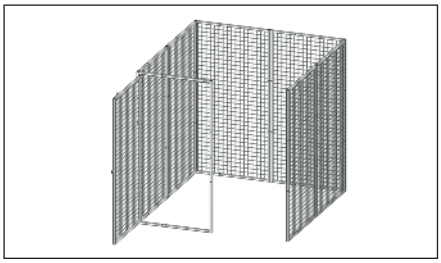
2. Open the door panel of your product so that the panel is upright.



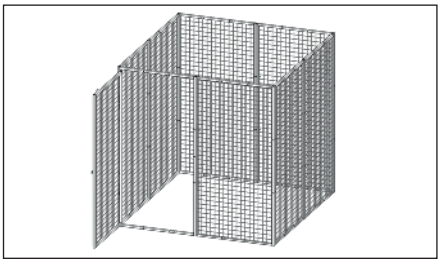
3. Take the left panels and secure them to the outer side of the door using the fixings. Ensure the unit is supported safely as the panels is secured. Bolt the side panels together.



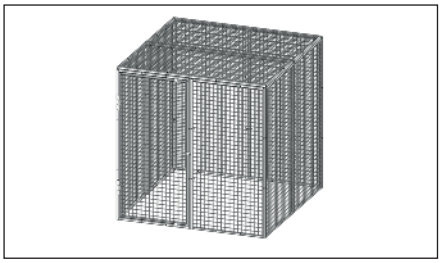
4. Next, bolt the rear panels to the left side panel, forming the back. The rear panels should be fixed onto the inner side of the left panels. Bolt the side panels together.



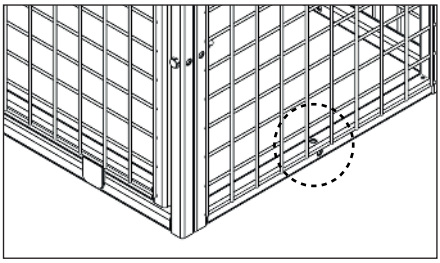
5. Next, take the right panels and secure it to the outer side of the rear panels, opposite the left.



6. Then, bolt the remaining panels onto the front of the unit, by fixing it to the inner side of the right panels, and fix to the door panel.



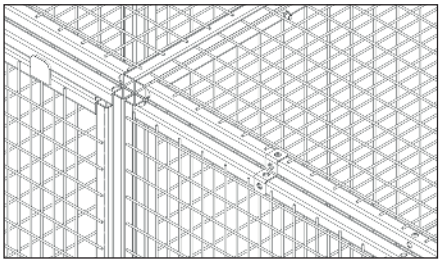
7. Lastly, secure the roof panels in place by fixing to the door and rear panels. Bolt the roof panels together. Ensure all bolts are equally spaced in aligning holes. Please note that the roof panel does not sit on all four side panels, they should sit on two opposite sides only.



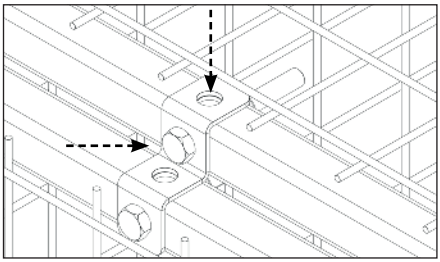
8. The range is designed to sit on any ground terrain, however we recommend using anchor bolts to secure the cage into the ground if being used for long periods. Note there is no base panel required as this would be unstable for the bottles.

Please note that GGC8, GGC9, GGC10, GGC11, GGC12, GGC13, GGC14, GGC15, GGC16 and GGC17 will require 'Z' brackets. Please refer to page 32 on how to fix them.

How to fit the ‘Z’ brackets



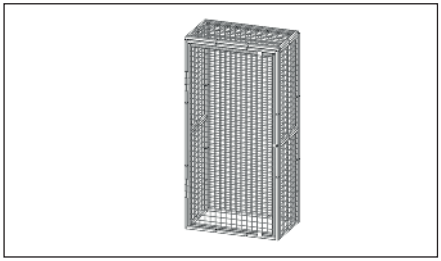
1. The ’Z’ brackets should be mounted as centrally as possible and secured each with two nuts and bolts as shown.



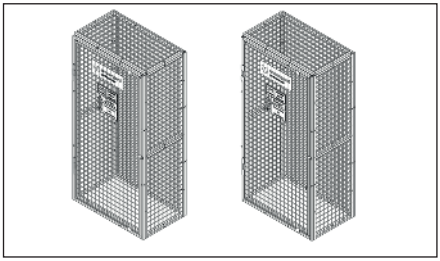
2. They should be fitted as shown on the front and back edges where they are not supported. If the cage is to be placed next to another one, the bolts can be fixed to the holes at the top.

Please note that GGC8, GGC9, GGC10, GGC11, GGC12, GGC13, GGC14, GGC15, GGC16 and GGC17 will come with 2x ‘Z’ brackets and 4 additional nuts and bolts. Always fix them using the instructions within this manual.

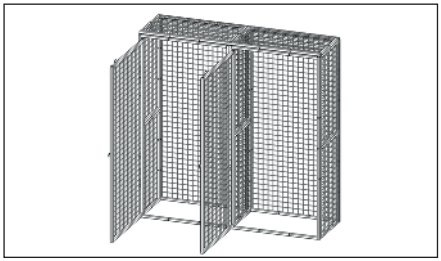
How to assemble GGC33, GG66



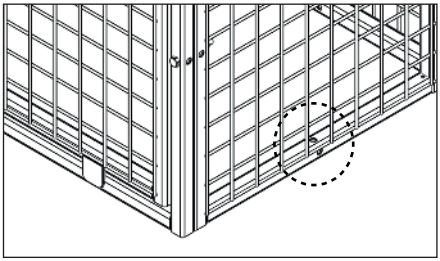
1. To assemble the GGC33 or GGC66, follow the instructions on page 37 or 32 respectively on how to assemble the GGC3 or GGC6.



2. Once step one has been completed, this should leave you with two fully assembled Gorilla Gas Cages.

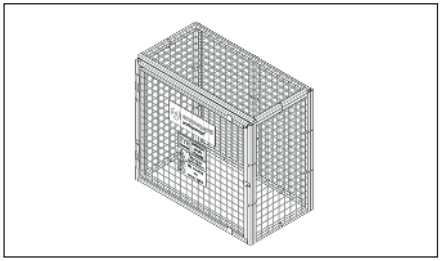


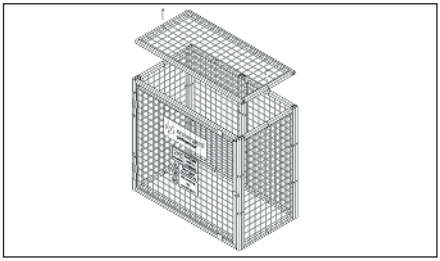
3. Simply bolt both units together using the fixings, with both door panels facing forward. Ensure the empty/full safety signage is always positioned clearly on the doors.



4. The range is designed to sit on any ground terrain, however we recommend using anchor bolts to secure the cage into the ground if being used for long periods. Note there is no base panel required as this would be unstable for the bottles.

Dismantling the Gorilla Gas Cage





1. To dismantle the Gorilla Gas Cage, remove the parts in reverse order to which they were assembled.

2. Remove the roof first, followed by the back panels or the side panels. Fixings can be bolted back into the panels for safekeeping.

Take your Gorilla Gas Cage™ to the next level with these optional extras

Contact the Armorgard team to find out more about the optional extras for your product.



50mm padlock

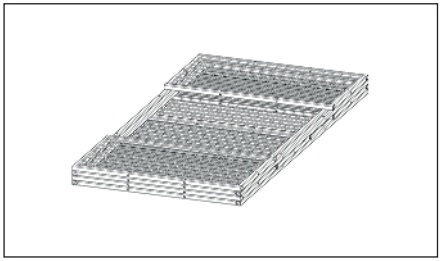
To secure the Gorilla Gas Cage



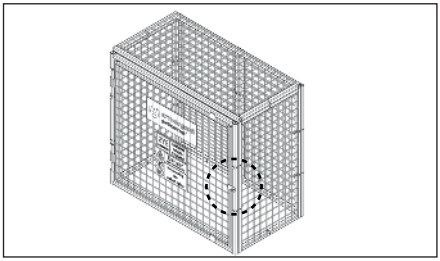
Empty/full signage

To help differentiate cage usage

Storing the unit



1. Once dismantled, the Gorilla Gas Cage can be stored and stacked, due to its individual panel design. Always keep the fixings in a safe place, which can be kept in the holes for safekeeping.



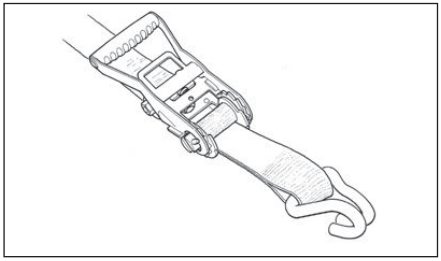
2. When full with contents, the cage should be kept locked when unattended.

Transporting the unit

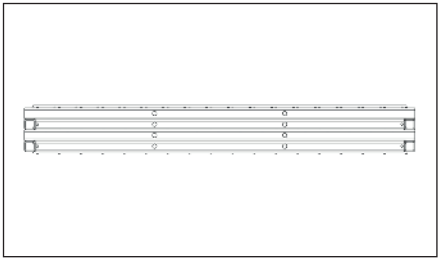
The Gorilla Gas Cage has been designed specifically to make transporting the product easy.

When dismantled, the flat-packed panels can be stacked together, making the product straightforward to transport. This keeps it simple when assembling at the location of use.

Extra people or equipment may be required to lift individual panels safely. Please take all safety precautions necessary and carry out risk assessments prior to moving the cage.



1. During transport, ensure that the Gorilla Gas Cage is secured to the carrier by strapping down the unit fully.



2. They can be stacked for ease of transportation and to save space.

Equipment care

The Gorilla Gas Cage is weather resistant and constructed with a durable hot dip galvanised finish, to ensure it is completely protected and suitable for outdoor use.

It is important to ensure that all Gorilla Gas Cage bolts remain in good condition and that they are always bolted on tightly.

If using a padlock, always ensure that the hasp and staple remains in good condition.

Ongoing maintenance

It is important to check that the Gorilla Gas Cage is not damaged before each use.

We recommend for you to check the bolts, panels, and hinges every three months, to ensure that the Gorilla Gas Cage can operate fully. If the Gorilla Gas Cage will be under rigorous use, we recommend integrity checking regularly. The bolts must always be tight to ensure the cage stays safe, secure and compliant.

Warranty

Armorgard products are built to last, and all have a manufacturer's warranty of 12 months - please refer to the terms and conditions for what this covers.

Do not force entry into the product, as this could affect the warranty.

Spare parts



Replacement fixings



Replacement panels



Replacement safety signage

For additional support and easy access to spare or replacement parts, register your product following the QR code:

Version: 191224



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