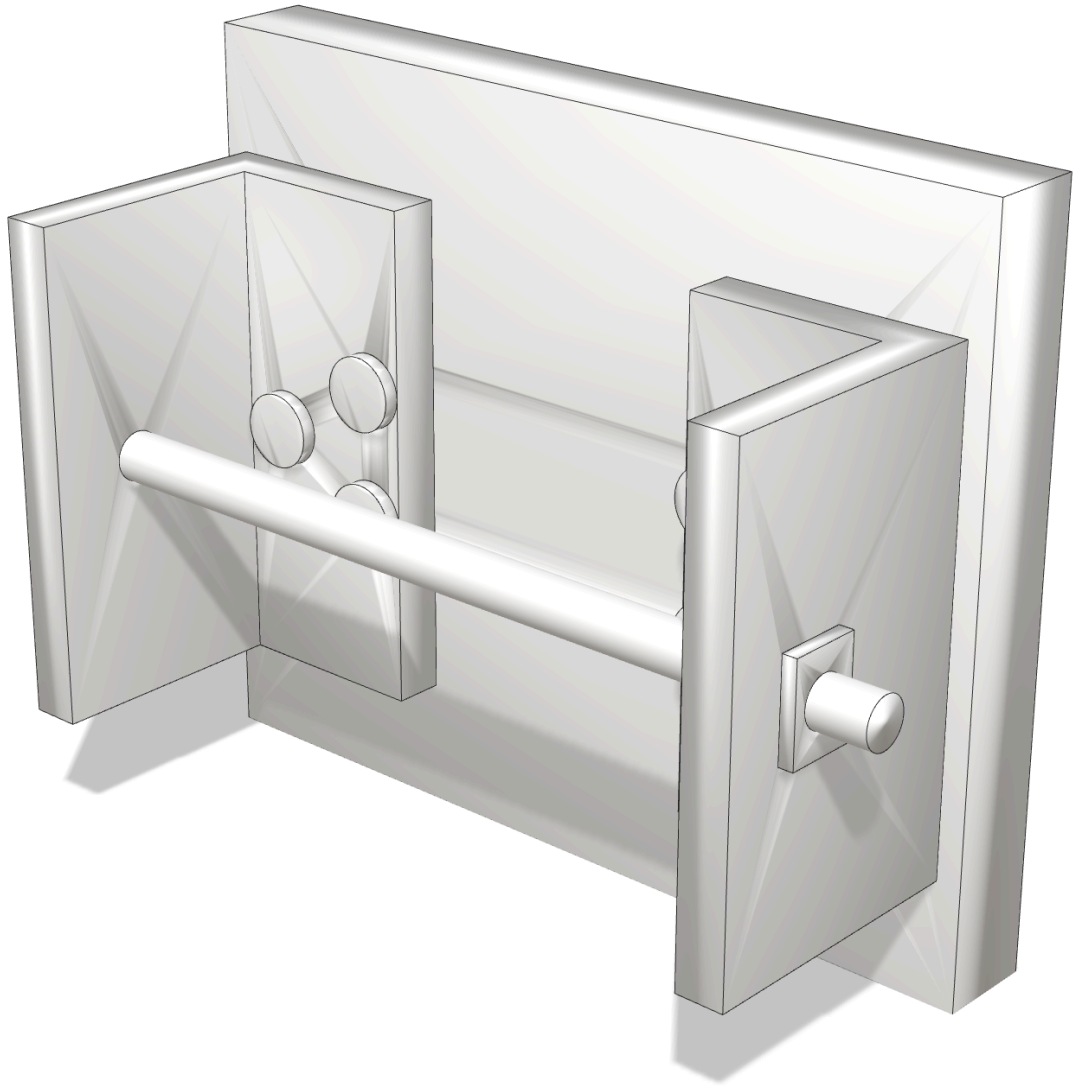
INSTALLATION, OPERATION & MAINTENANCE (IOM)

Corvex BR-200 Mounting Bracket



EN · Read this manual before installing or using the product. Keep it for future reference.

Contents

1	Introduction	3
2	Safety	4
3	Product description	5
4	Technical data	7
5	Installation	8
6	Operation	12
7	Maintenance	13
8	Repair	15
9	Troubleshooting	18
10	Spare parts	19
11	Service	21

1 Introduction

1.1 About this manual

This manual covers the Corvex BR-200 Mounting Bracket. It describes safety, the product, technical data, assembly, operation, inspection, rod replacement, troubleshooting, spare parts and service.

Read this manual completely before you assemble, use or maintain the bracket assembly. Keep this manual available for everyone who works on the product.

Manufacturer: Corvex Industrial Ltd., 12 Foundry Way, Northgate Industrial Park. Document CX-IOM-BR200, revision A, issued November 2026.

1.2 Who this manual is for

This manual is for installers who assemble the bracket assembly with a wrench, and for personnel who inspect and maintain it.

Installation and maintenance must be carried out by a person trained in the use of hand tools and torque wrenches. No further certification is required.

1.3 Symbols and signal words used

Safety messages in this manual use the following signal words:

- DANGER: indicates a hazardous situation that, if not avoided, will result in death or serious injury.
- WARNING: indicates a hazardous situation that, if not avoided, could result in death or serious injury.
- CAUTION: indicates a hazardous situation that, if not avoided, could result in minor or moderate injury.
- NOTICE: indicates information about possible damage to property. No personal injury is involved.

Part names in capital letters (for example PLATE, L-BRACKET, BOLT, NUT, ROD) are the names used in the spare parts list.

2 Safety

2.1 General safety

⚠ **WARNING**	An incorrectly assembled or loosened bracket assembly could fail under load and parts could fall. Assemble the product exactly as described in this manual and tighten all NUTs to the specified torque.

⚠ **WARNING**	Do not load the bracket assembly beyond its rated load. Do not use a bracket assembly with a damaged PLATE, L-BRACKET or ROD.

⚠ **CAUTION**	The wrench can slip off a NUT or BOLT while you tighten or loosen it. Keep your hands clear of edges and pinch points between the parts. Wear protective gloves.

NOTICE	Overtightening can damage the threads of the BOLTs and NUTs and deform the PLATE or L-BRACKETs. Do not exceed the specified tightening torque.

2.2 Intended use

The BR-200 holds a horizontal ROD for hanging cables, hoses or light equipment. It is for indoor use only and is rated for a load of 25 kg on the ROD.

2.3 Foreseeable misuse

Do not use the BR-200 for lifting, as a step, as a handhold or as an anchor point for fall protection. Do not exceed the rated load.

2.4 Personal protective equipment

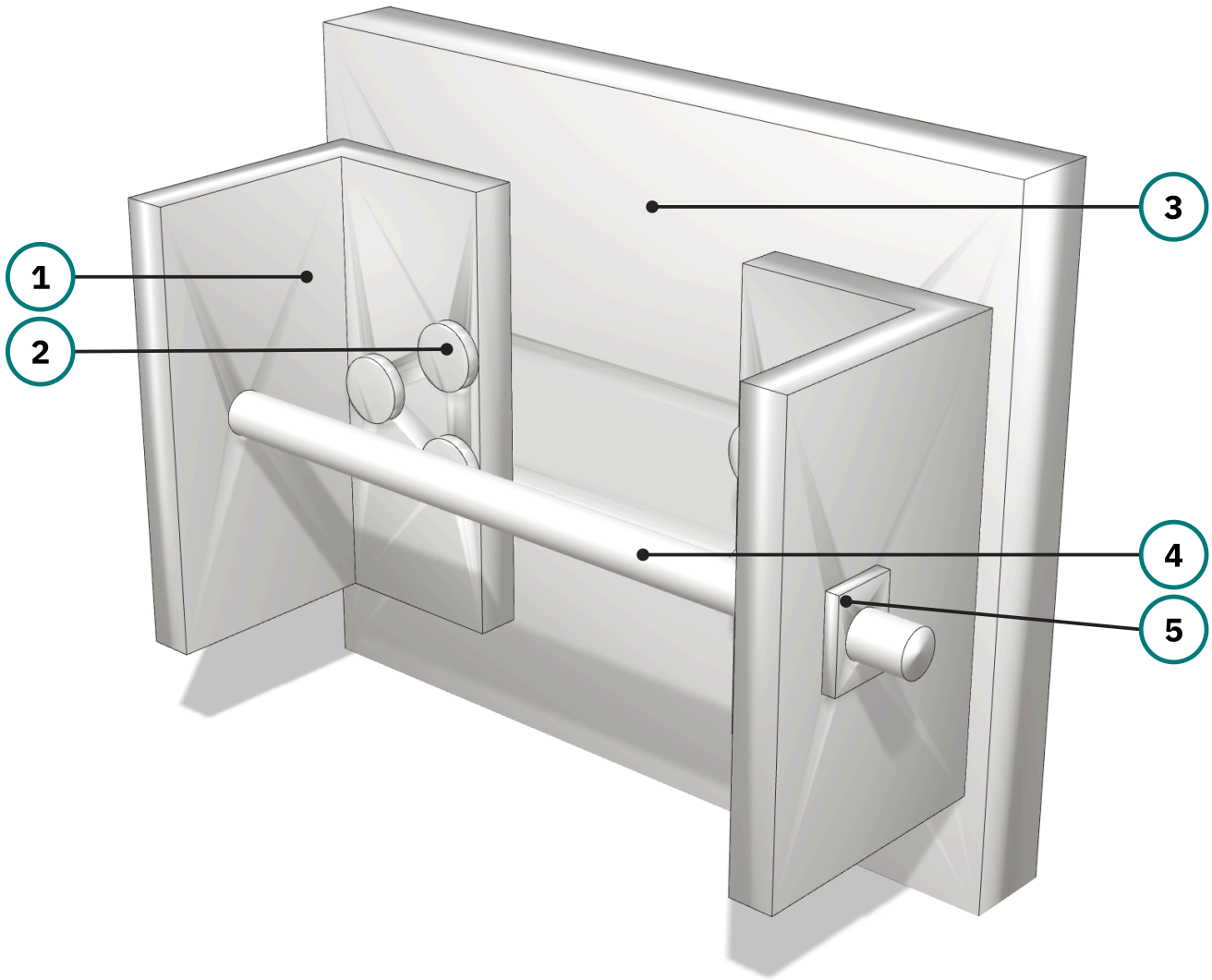
Wear protective gloves when you handle the parts and use the wrench.

Wear safety glasses and protective gloves when assembling, inspecting or repairing the bracket.

3 Product description

3.1 Overview

The Corvex BR-200 is a wall-mounted bracket. Two L-BRACKETs and a ROD are bolted to a PLATE with BOLTs and NUTs. The assembly is put together with a wrench.



1 L-BRACKET 2 BOLT 3 PLATE 4 ROD 5 NUT

BR-200 Mounting Bracket, assembled

3.2 Main parts

- PLATE (1x): the base of the assembly.
- L-BRACKET (2x): bolted to the PLATE.
- ROD (1x): fitted between the L-BRACKETs.
- BOLT (6x) and NUT (8x): fasten the parts together.

3.3 Scope of delivery

Check that the delivery contains all parts in the quantities listed in the chapter Spare parts.

The wrench is not included. Supplied: 1 PLATE, 2 L-BRACKETs, 1 ROD, 6 BOLTs, 8 NUTs and this manual.

4 Technical data

4.1 Components

Part	Quantity
PLATE	1
L-BRACKET	2
BOLT	6
NUT	8
ROD	1

4.2 Dimensions, mass and materials

Overall dimensions, assembled: 200 x 150 x 87 mm (L x W x H).

Mass, assembled: 2.1 kg.

PLATE, L-BRACKETs and ROD: S235 structural steel, zinc-plated. BOLTs and NUTs: steel, zinc-plated.

4.3 Load rating

Rated load: 25 kg on the ROD, applied vertically downwards, spread along the ROD. Maximum point load: 10 kg.

4.4 Fasteners and tools

BOLTs: M8 x 20 mm hexagon head, property class 8.8 (ISO 4017). NUTs: M8 hexagon, property class 8 (ISO 4032).

Tightening torque for all NUTs: 22 Nm.

13 mm open-end or ring wrench. A torque wrench (10 to 30 Nm) is required for final tightening.

4.5 Environment and standards

Indoor use, -10 to +50 °C, dry rooms. Not for corrosive or salt-laden atmospheres.

Fasteners to ISO 4017 and ISO 4032. No product-specific standard applies.

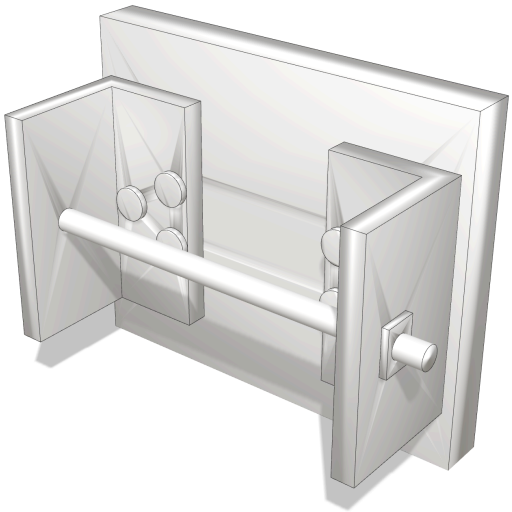
5 Installation

5.1 Assemble the bracket

Bolt the two L-BRACKETs and the ROD to the PLATE with a wrench.

13 mm wrench and a torque wrench covering 22 Nm.

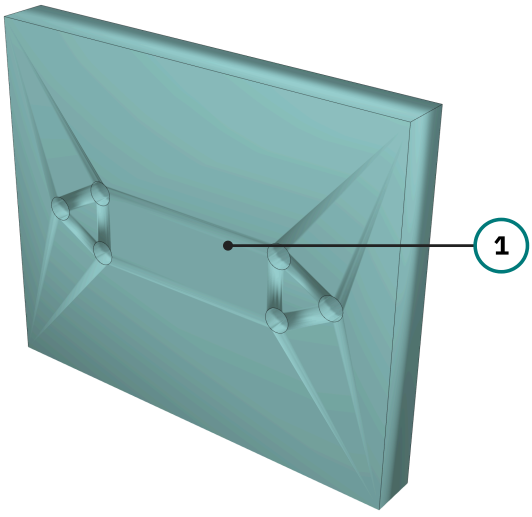
⚠ **CAUTION**	Parts can have sharp edges and the wrench can slip. Wear protective gloves.



1 **Prepare the work area and the wrench**

Clear a flat, clean and stable work surface large enough for the PLATE. Lay out all parts and check them against the parts list. Have the wrench ready.

A clean, flat work surface of at least 400 x 300 mm.

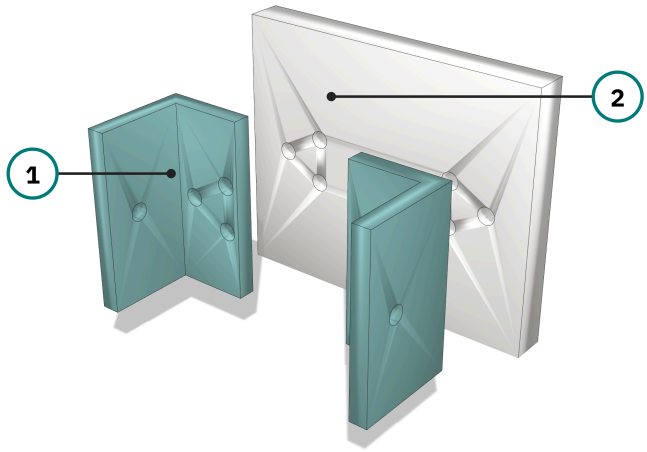


2 **Lay out the plate**

Place the PLATE flat on the work surface with the mounting holes for the L-BRACKETs accessible.

1 PLATE

Lay the PLATE with the countersunk face down and the long edge towards you.

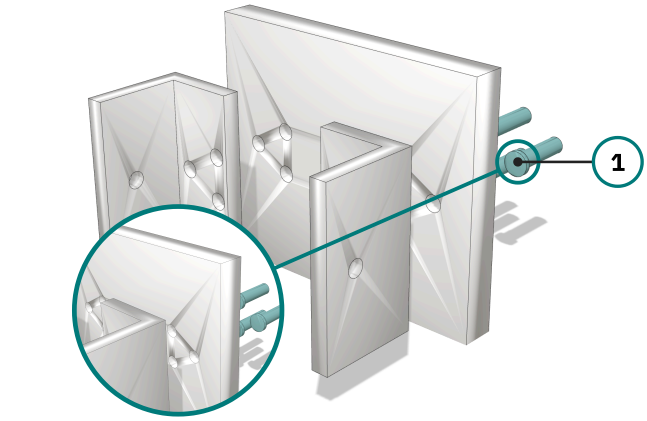


3 Fit the L-brackets

Place the two L-BRACKETs on the PLATE and align their holes with the holes in the PLATE.

1 L-BRACKET 2 PLATE

Place the L-BRACKETs on the two outer hole pairs, upright legs facing each other.

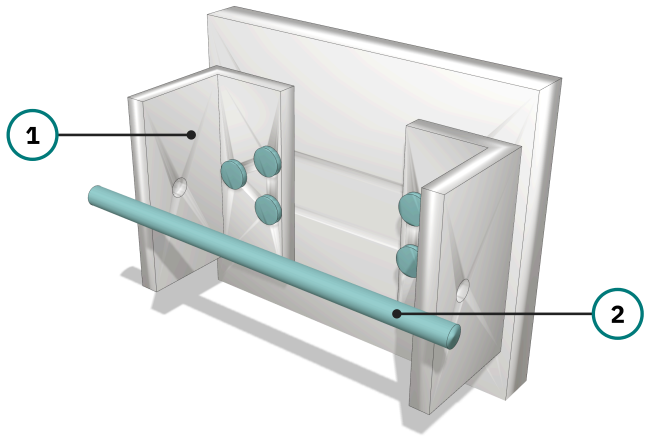


4 Fit the bolts

Insert the BOLTs through the aligned holes of the L-BRACKETs and the PLATE.

1 BOLT

Insert the BOLTs from the PLATE side, through the PLATE and the L-BRACKET feet.

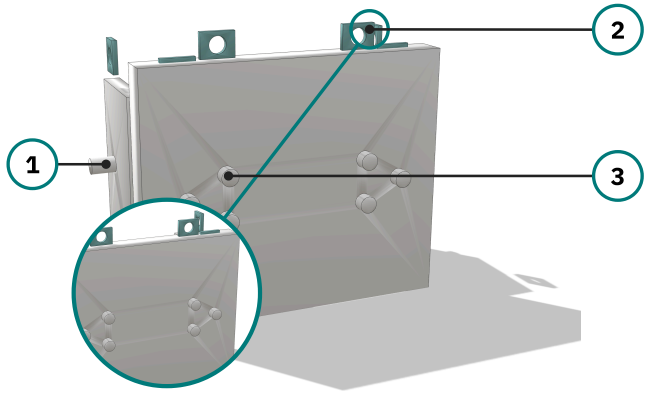


5 Fit the rod

Place the ROD between the two L-BRACKETs, through the holes in the upright legs.

1 L-BRACKET 2 ROD

The ROD passes through the round hole in each L-BRACKET upright and is secured at each end with a NUT on its threaded end.



1 ROD 2 NUT 3 BOLT

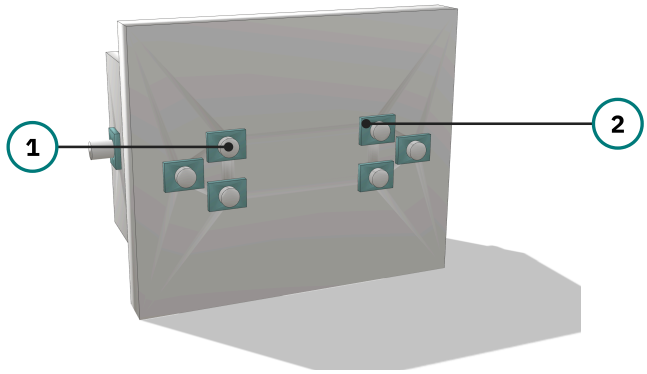
6 Fit the nuts

Screw the NUTs onto the BOLTs and the ROD by hand until they make contact.

Six NUTs go on the BOLTs above the L-BRACKET feet. The remaining two secure the ROD, one on the outside of each L-BRACKET.

⚠ **WARNING**	NUTs that are not tightened to the specified torque could loosen. The assembly could fail and parts could fall. Tighten every NUT to the specified torque.

NOTICE	Do not exceed the specified torque. Overtightening can damage threads and deform the parts.

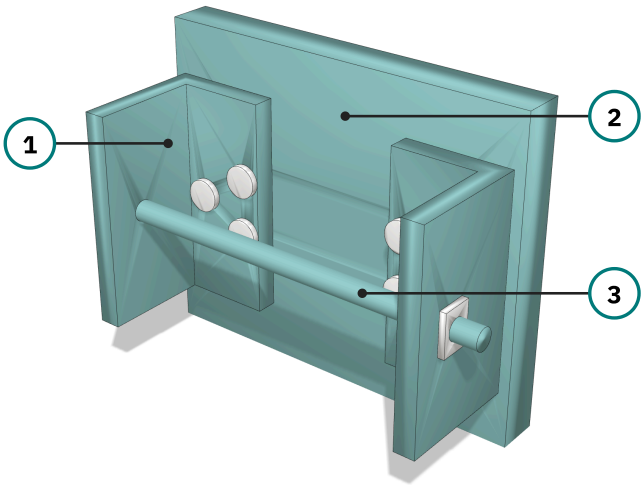


1 BOLT 2 NUT

7 Tighten the nuts

Hold each BOLT and tighten its NUT with the wrench to the specified torque. Tighten the NUTs on the ROD in the same way.

Tighten all NUTs to 22 Nm, working crosswise: first the BOLT NUTs, then the two ROD NUTs.



8

Check the assembly

Check that the PLATE, both L-BRACKETs and the ROD are seated correctly, that no part moves when you push on it by hand, and that all NUTs are tight.

1 L-BRACKET 2 PLATE 3 ROD

The L-BRACKETs stand square to the PLATE with no play, and the ROD turns only with force.

5.2 Mounting the assembly

Mount the PLATE to a solid wall or frame with four fixings suitable for the substrate, each rated for at least 50 kg.

6 Operation

6.1 Use

The bracket assembly has no moving or powered parts. Use it only within its rated load and intended use.

Hang loads on the ROD only, spread along its length. Do not exceed 25 kg in total.

⚠ **WARNING**	Do not use the bracket assembly if any part is damaged or any NUT is loose. Take it out of use and repair it first.

6.2 Before each use

- Check by eye that the PLATE, the L-BRACKETs and the ROD are not bent, cracked or corroded.
- Check that no NUT is missing or visibly loose.

7 Maintenance

7.1 Maintenance intervals

Maintenance schedule

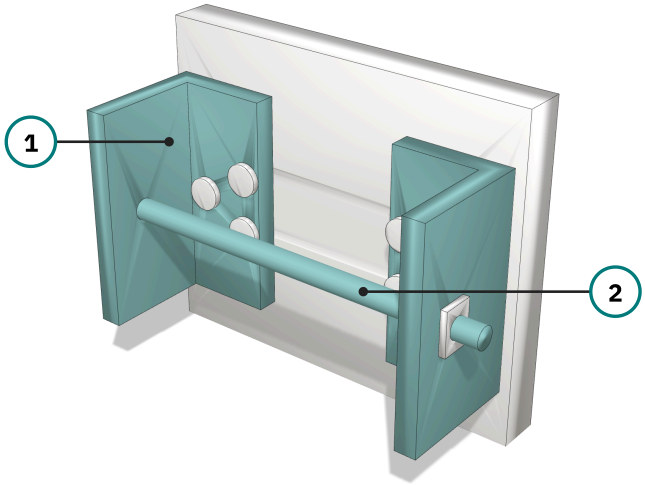
Task	Interval	Procedure
Inspect the L-BRACKETs and the ROD	Every 6 months	7.2, step 1
Check the PLATE for damage	Every 6 months	7.2, step 2
Retighten the NUTs	Every 6 months	7.2, step 3
Replace a damaged ROD	When damage is found	8.1

Inspect and retighten every 6 months, and after any impact or overload.

7.2 Inspect the bracket assembly

Periodically check the brackets and rod for damage and the bolted joints for tightness.

> ⚠ **WARNING**
>
> Remove all load from the bracket assembly before you inspect or retighten it. A loaded part could move or fall.

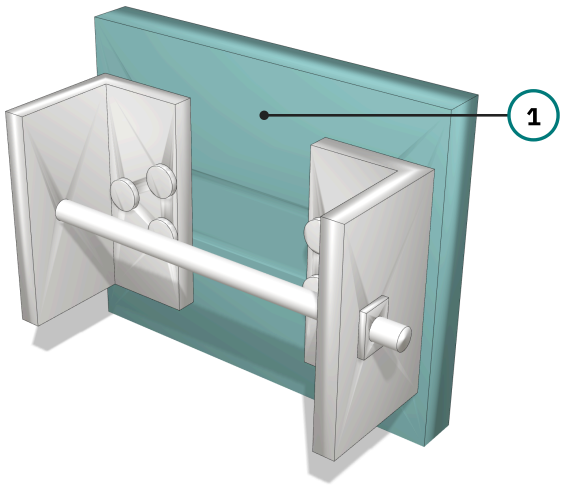


1 **Inspect the L-brackets and the rod**

Inspect both L-BRACKETs and the ROD for bends, cracks, wear and corrosion. If the ROD is damaged, replace it (see 8.1).

(1) L-BRACKET (2) ROD

Replace an L-BRACKET or the ROD if it is bent, cracked or rusted through the zinc layer. Do not straighten bent parts.



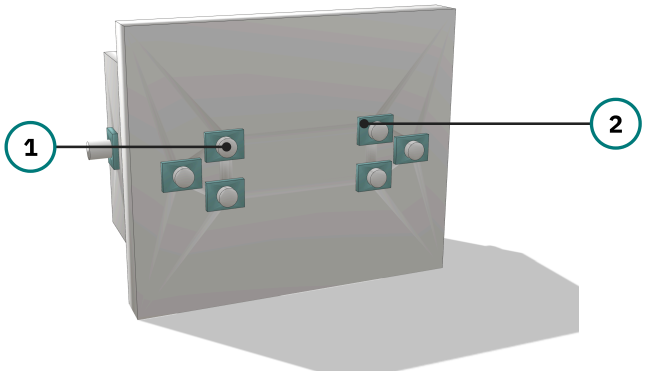
2 Check the plate for damage

Inspect the PLATE for bends, cracks, deformed holes and corrosion. Do not use the assembly if the PLATE is damaged.

(1) PLATE

Replace the PLATE if it is bent or cracked, or if a hole is deformed.

NOTICE	Do not exceed the specified torque. Overtightening can damage threads and deform the parts.



3 Retighten the nuts

Hold each BOLT and retighten its NUT with the wrench to the specified torque.

(1) BOLT (2) NUT

Retighten to 22 Nm. Replace BOLTs and NUTs after they have been loosened three times.

7.3 Cleaning

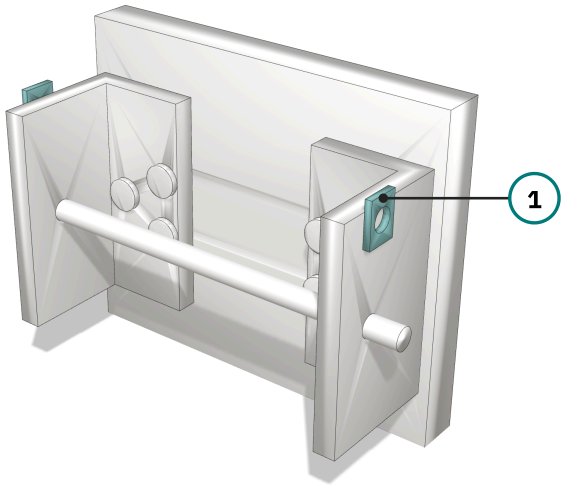
Wipe clean with a damp cloth and mild detergent. Do not use solvents or abrasive cleaners.

8 Repair

8.1 Replace the rod

Remove a damaged ROD and fit a new one between the L-BRACKETs.

⚠ **WARNING**	Remove all load from the ROD before you start. A loaded ROD could move or fall when you loosen the NUTs.



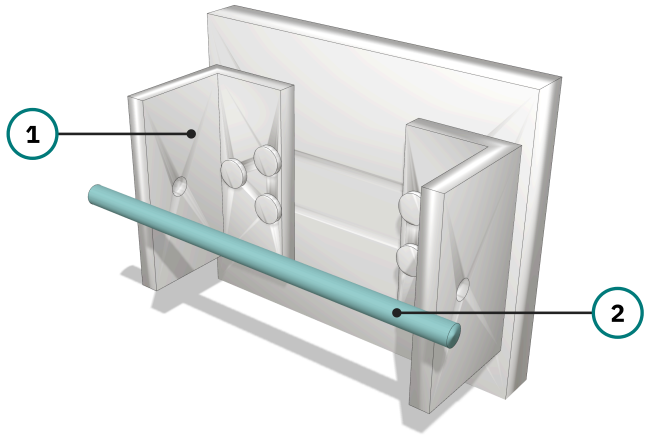
1 Remove the nuts

Unscrew the NUTs that secure the ROD with the wrench and set them aside.

(1) NUT

The two NUTs on the ends of the ROD secure it. Replace them with new NUTs after removal.

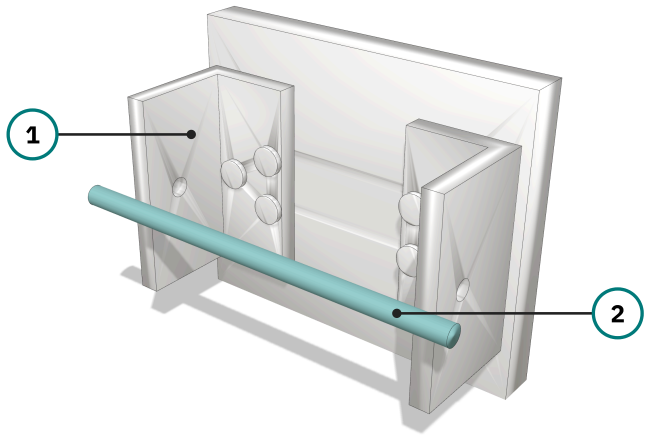
⚠ **CAUTION**	Support the ROD while you remove it so that it does not drop onto your hands or feet.



2 Remove the rod

Pull the damaged ROD out from between the L-BRACKETs.

(1) L-BRACKET (2) ROD

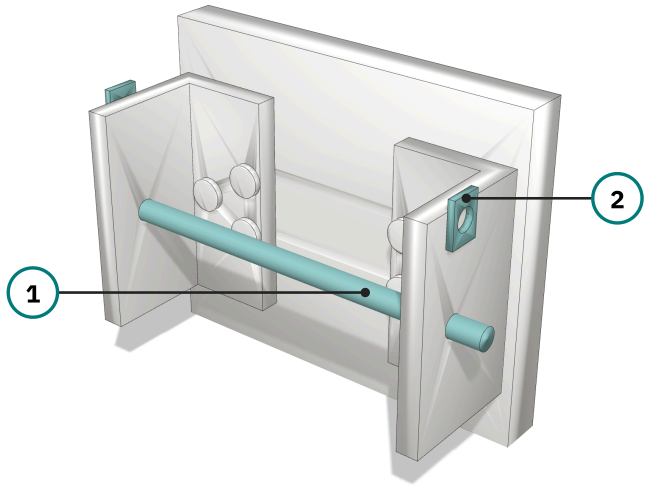


1 L-BRACKET 2 ROD

3 Fit the new rod

Place the new ROD between the two L-BRACKETs in the same position and orientation as the old ROD.

Replacement ROD: catalogue number CX-BR200-04.

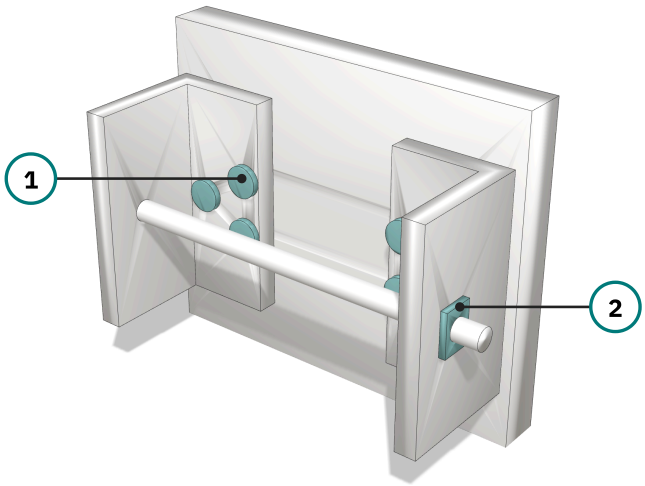


1 ROD 2 NUT

4 Fit the nuts

Screw the NUTs onto the ROD by hand until they make contact.

NOTICE	Do not exceed the specified torque. Overtightening can damage threads and deform the parts.



1 BOLT 2 NUT

Tightening torque for the NUTs: 22 Nm.

5 Tighten the nuts

Tighten the NUTs with the wrench to the specified torque. Check that all NUTs on the BOLTs are also tight.

9 Troubleshooting

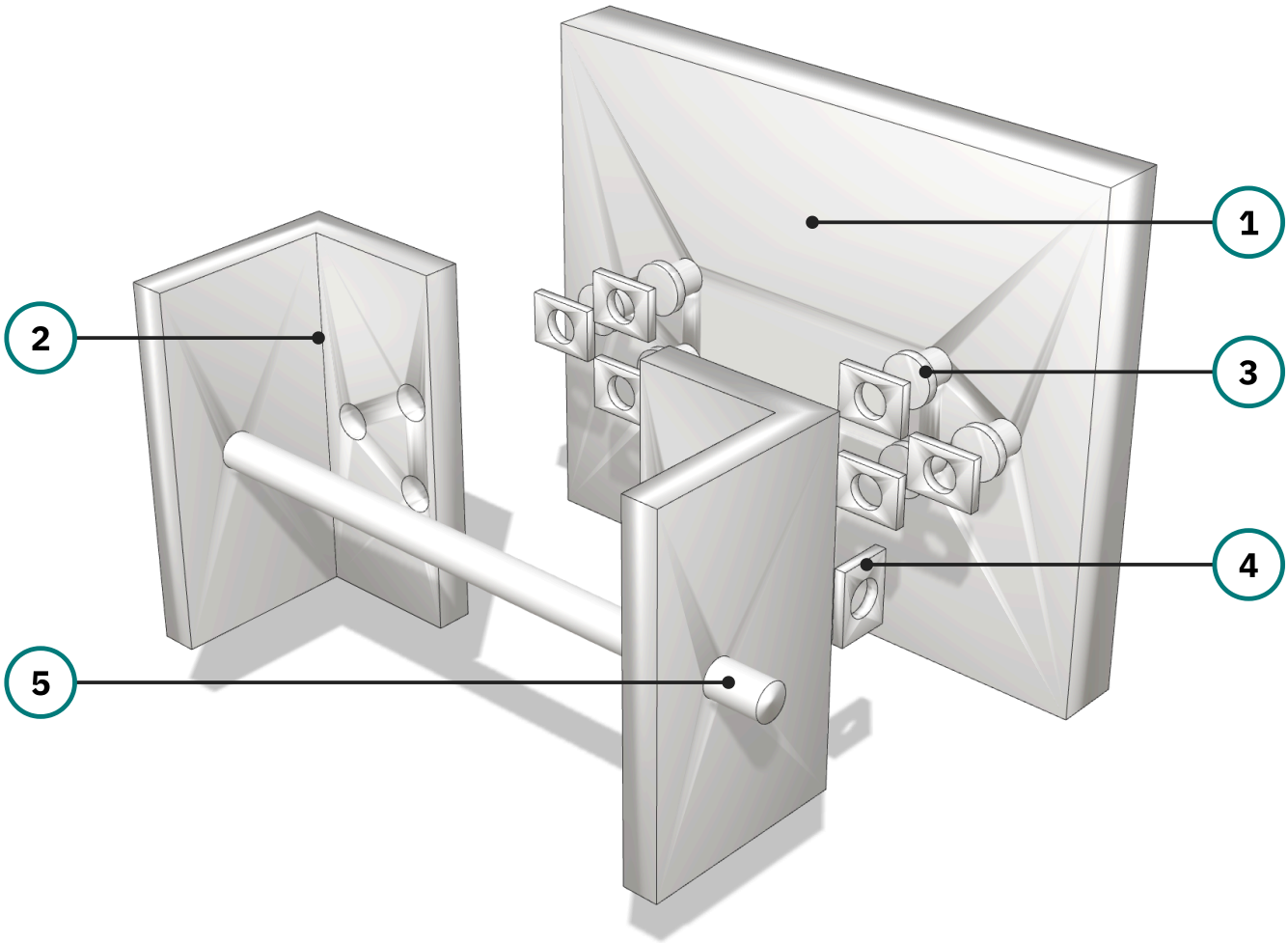
9.1 Troubleshooting

Problem	Possible cause	Remedy
Parts move or rattle when pushed by hand	NUTs not tightened or loosened in use	Retighten the NUTs to the specified torque (see 7.2, step 3).
A NUT does not turn onto a BOLT or the ROD	Damaged thread, or wrong NUT	Check the thread. Replace the damaged BOLT or NUT.
ROD is bent, cracked or corroded	Overload or damage in use	Replace the ROD (see 8.1). Check the load against the rated load.
Holes do not align during assembly	L-BRACKET or PLATE wrongly oriented	Check the orientation of the PLATE and L-BRACKETs (see 5.1, steps 2 and 3).
PLATE or L-BRACKET is bent or cracked	Overload or damage in use	Take the assembly out of use. Contact service.

For a fault not listed here, contact Corvex service with the catalogue number and a photo of the assembly.

10 Spare parts

10.1 Parts list



No.	Part	Cat. no.	Qty
1	PLATE	CX-BR200-01	1
2	L-BRACKET	CX-BR200-02	2
3	BOLT	CX-BR200-03	6
4	NUT	CX-BR200-05	8
5	ROD	CX-BR200-04	1

PLATE CX-BR200-01, L-BRACKET CX-BR200-02, BOLT CX-BR200-03, ROD CX-BR200-04, NUT CX-BR200-05.

PLATE, L-BRACKET and ROD: zinc-plated S235 steel. BOLT and NUT: zinc-plated steel, property class 8.8 / 8.

10.2 Ordering spare parts

When you order spare parts, state the product designation (BR-200), the part name, the catalogue number and the quantity.

Order spare parts from your Corvex distributor, or at parts.corvex.example, quoting the catalogue number.

11 Service

11.1 Contact

Corvex Industrial Ltd., 12 Foundry Way, Northgate Industrial Park. service@corvex.example, corvex.example.

11.2 Warranty

Corvex gives a 2-year warranty against material and manufacturing defects, from the date of purchase.

11.3 Disposal

All parts are steel: recycle them as scrap metal. Dispose of packaging through local recycling.