GUNNEBO® Industries

KITO CROSBY™

CE

Bolt Conversion Adapter (LPV)

EN User Manual



This safety instruction/declaration of the manufacturer must be kept on file for the lifetime of the product.

ATTENTION:

Please inspect all lifting points prior to use. Damage, incorrect assembly or improper use may result in serious injuries and/or material damage.

EC-Declaration of the manufacturer

According to the Machinery Directive 2006/42/EC, annex II B.

We hereby declare that the design and construction of the equipment detailed within this document adheres to the appropriate level of health and safety of the corresponding EC regulation.

Any unauthorized modification and/or any incorrect use of the equipment not adhered to within these user instructions waivers this declaration invalid.

Failure to carry out the recommended maintenance and testing waivers this declaration invalid.

UK Declaration of Conformity:

We declare that the described UKCA marked products in this document meet the essential safety requirements of the Supply of Machinery (Safety) Regulations 2008 and section 6 of the Health and Safety At work Etc. Act. 1974.

User Manual

Safety Precautions

⚠ WARNING

Prohibited

- The working load is the same as the working load of the lifting point to be applied.
- Do not load the load exceeding the working load.
- Do not apply a shock load.
- Not permitted to disassemble or modify.

Mandatory

- Perform periodic inspections.
- Be sure to adhere to a flat surface wider than the seat of the screw and tighten securely.
- Use in accordance with the operating environment.
- Repeated use may result in damage due to metal fatigue. Perform periodic inspections and replacement according to the load and frequency. (This product refers to the EN standard 1.5 W -20,000 cycle fatigue test.)

Failure to follow these instructions may result in damage, breakage, death, or serious injury.

Our company shall not be liable to such an event.

General Information

Reference should be made to relevant standards and other statutory regulations. Inspections must be carried out only by people who possess sufficient knowledge.

Before installation and before every use, visually inspect the adapter, paying particular attention to any evidence of corrosion, wear, weld cracks or deformations. Please ensure compatibility of bolt thread and tapped holes.

The material construction, to which the adapter will be attached, should be of adequate strength to withstand forces during lifting without deformation.

Required material strength of female thread

Steel (Tensile strength 400 N/mm² or more)

General assembly instructions:

The surface facing around the thread hole shall be flat (plane), clear of paint and dirt, and smooth to ensure perfect flush contact with the shoulder surface of the Bolt Conversion Adapter.

Extreme temperature conditions

- When the product is used in a high-temperature atmosphere, or when it is used again at normal temperature after being used in a high-temperature atmosphere once, reduce the working load according to the temperature as shown in the table below.

Working load at each working temperature

Temperature	Reduction of Working
-40°C to 100°C	No reduction
100°C to 200°C	10% reduction
200°C to 300°C	25% reduction
300°C to 350°C	35% reduction
Over 350°C	Prohibited Use

- Cannot be used in alkaline or acidic environments.
- Use at a humidity of 100%RH or less.
- Underwater cannot be used.

Protect yourself and others

- Know the weight of the load and its center of gravity.
- Ensure the load is ready to move and that no obstacles will obstruct the lifting.
- Prepare the landing site.
- Never use an improper configuration.
- Never use a worn or damaged Bolt Conversion Adapter.
- Do not ever ride on the load.
- Do not ever walk or stand under the suspended load.
- Take into consideration that the load may swing or rotate.
- Watch your feet and fingers while loading/unloading.

Specific Information

- Attach the lifting point after attaching the adapter to the lifting load.
- Make sure that the seat surface of the lifting point is inside the product and fully adheres to it.
- Tightened to torque referring the relevant table when using for a long time.
  In case of turning movements the recommended torques must be checked regularly.
- Make sure that the seat surface of the screw is in close contact with a flat surface without placing an inclusion such as a washer. In addition, do not fasten it with nuts.
- To prevent unintended dismounting through shock loading, rotation or vibration, thread-locking fluid such as Loctite (depending on the application, please refer to the manufacturer's instruction) should be used to secure the bolt.
- Do not connect two or more products.

Product code	Tightening torque (Nm)
LPV-M10/M20	24
LPV-M12/M24	39
LPV-M16/M30	98
LPV-M20/M36	147
LPV-M24/M42	245
LPV-M30/M48	343

Inspection criteria

Items to be checked before use

- There is no deformation, corrosion, damage, crack, or foreign matter.
  Do not use the product if it does not meet the above standards.

Periodic inspection items

Periodic inspection should be performed by a qualified person approved by the employer. Do not modify the product. Periodic inspection should be carried out at least once a year. If the Lifting point is used frequently, increase the number of inspections.

- Check the same items as the pre-use inspection.
- To check for cracks, perform a non-destructive inspection (color check, etc.). Contact our company if you wish.