

Safety Instructions

Shackles - Safety Guidelines

1. Intended Use

This product is designed as an accessory for load lifting and is intended for use in lifting equipment or static systems. It must:

- Be operated only by authorized and trained personnel.
- Be used in compliance with applicable regulations.

The following actions are strictly prohibited:

- Modifying the product.
- Repairing it without professional expertise.
- Using it for transporting people.

2. General Safety Instructions

When lifting loads with lifting accessories, individuals positioned beneath or near the load are particularly at risk. There are residual risks associated with handling lifting accessories, including:

- Insufficiently secure connection between the lifting accessory and the load.
- Swinging loads during lifting.
- Dropped loads.

To ensure safe usage, the following instructions must be adhered to:

- **Observe the maximum load capacity!** The product must never be loaded beyond its stated capacity.
- Respect applicable temperature ranges.
- Avoid contact with acids and alkalis.
- Inspect shackles for visible damage (e.g., corrosion, deformation) prior to use.
- Do not use deformed shackles.

3. Additional Guidelines

- Ensure that the product's range of motion is not restricted, as this can cause lateral bending stresses, leading to deformation.
- Shackles must always move freely; support by other components is not permitted.
- Shackles with nut and pin locking mechanisms must never be used without the pin in place.
- The shackle pin must always be fully screwed in.
- Use only original pins and locking elements of the correct size.
- The shackle opening must not be altered by applied force.
- Welding distance pieces to reduce the shackle opening is not permitted. Loose distance pieces can be mounted or fixed with liquid thread lock (e.g., Loctite).
- Avoid usage scenarios where the shackle pin could unscrew, unless the shackle design permits this.
- Shackles should only be assembled or disassembled when unladen.
- Shackles must not be forcibly positioned.
- Avoid jerking or abrupt loads.
- Do not place loads on the product in a way that could damage it.
- Do not drag loads over the product.
- Always wear appropriate protective clothing during handling.
- Offshore use, lifting of persons, hazardous loads (e.g., molten metals), or other high-risk scenarios require a risk assessment by a qualified professional.