

Technical Information

The following information aims to give advice and explain the most common questions in order to ensure correct and proper use of lifting points. This technical information refers to RELP, RLP, DLP and BLP unless other is stated. Always refer to the user instructions of the specific model of lifting point before use. It is of the most importance that this information is known to the user and in accordance with the Machinery Directive 2006/42/EC this information must be delivered to the customer. See website or user instructions for assembly instructions. Meets listed current specifications and standards at time of publication of this catalog.

General Advice

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 lifting points, paying particular attention to any evidence of corrosion, wear, weld cracks or deformations. Please ensure compatibility of bolt thread and tapped hole.

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

Ensure minimum thread depth, see table (d refers to bolt diameter).

| Thread depth | Yield limit of base material |
|--------------|---|
| 1 x d | For steel, yield limit >29 ksi |
| 1.25 x d | For cast iron, yield limit >29 ksi |
| 2.5 x d | Aluminum |
| | For other metal alloys or base materials consult your Gunnebo Industries distributor. |

- If the bolt length needs to be adjusted the bolt should be cut with a cold saw or lathe and temperature kept as low as possible during cutting. After cutting check the shape of the threads nearest the cut with an appropriately sized die (there must not be any burrs).
- The surface facing around the thread hole shall be flat (plane), clear of dirt and smooth to ensure perfect contact with the shoulder surface of the Lifting Point.

Nut and washer

The nut and washer must be the original equipment supplied from Gunnebo Industries to ensure the correct mechanical properties. No warranty, insurance or liability will be accepted if bolts not supplied by Gunnebo Industries have been used.

Extreme Environments

The in-service temperature affects the WLL as follows:

RLP

| Temperature (°F) | Reduction of WLL |
|---|------------------|
| -40 to +392 °F | 0 % |
| +392 to +572 °F | 10 % |
| +572 to +752 °F | 25 % |
| Temperatures below -40°F or above 752 °F are not allowed. | |

RELP

| Temperature (°F) | Reduction of WLL |
|--|------------------|
| -40 to +212 °F | 0 % |
| +212 to +392 °F | 15 % |
| +392 to +482 °F | 20% |
| +482 to +662 °F | 25 % |
| Temperatures below -40 F or above 662 F are not allowed. | |

BLP / DLP

| Temperature (°F) | Reduction of WLL |
|--|------------------|
| -40 to +392 °F | 0 % |
| Temperatures below -40° F or above 392° F are not allowed. | |

Severe Environments

Lifting points must not be used in alkaline (> pH10) or in acidic condition (< pH6).

Comprehensive and regular examination must be carried out when used in severe or corrosive environments. In uncertain situations consult your Gunnebo Industries distributor.

Surface Treatment

- Hot dip galvanizing or plating is not allowed outside the control of the manufacturer.
- Acid or Alkaline cleaning is not allowed.