

General recommendations and warnings using Blue Line blocks

Ratings in this catalogue are applicable only to new products.

The safe working load (S.W.L.) or working load limit (W.L.L.) of each Blue Line-block may be affected by wear, misuse, overloading, corrosion, deformation, intentional alteration and other use conditions.

Working loads shown are the maximum load the block is authorized to support under normal environmental conditions, shock loading and abnormal conditions must be taken into account when selecting the blocks. Regular inspection must be conducted to ensure the equipment continues to meet the required standard.

Blue Line blocks generally are intended for tension or pull. Side-loading must be avoided, as it exerts additional force or loading for which the product is not designed to accommodate.

Welding of or to load supporting parts or products can be hazardous. Knowledge of materials, heat-treatment and welding procedures is necessary for proper welding. The Blue Line should be consulted for information.

Maintenance of blocks

All blocks must be regularly inspected to monitor its condition. The frequency of inspection depends upon frequency and period of block use as well as environmental conditions.

When inspecting blocks for wear, check headfittings for deformation, cuts, sharp edges and any damage which may produce additional stress conditions.

Check for excessive wear in pins, side plates, rope grooves, bushes and bearings.

Check security of bolts, nuts and any other locking method and ensure that during continuous usage cannot vibrate loose.

Any crack or deformation of a block is sufficient to withdraw the equipment from service.

The frequency of lubrication depends on product use and environmental conditions.

Upon request Blue Line will provide both lubrication type and frequency.

Also available we have instructions on disassembling and assembling of blocks and sheaves.

Guidance

The design safety factor calculated relating the ultimate load to the working load generally expressed as a ratio.

S.W.L. (Safe Working Load) or W.W.L. (Working Load Limit) indicates the maximum mass or force which the product is authorized to support in a particular service.

Throughout the catalogue safetyfactor 5:1 is used. Meaning: Ultimate load divided by 5 = S.W.L.