

Warnings and application instructions

General

This section contains important information.

Swivels can be loaded up to the rated WLL.

Only fully reeved crane blocks can be loaded up to the rated WLL.

Warning

Where equipment has swivelling and moving parts there are potential safety hazards.

Care should be taken when working with or repairing such equipment.

If used incorrectly breakage could occur inflicting injury or death.

When equipment is in use do not put hands:

1. Between sheaves, side plates and guards.
2. In area of becket, hook, hook nut and cross head.

Take great care to avoid clothing becoming trapped.

Repair and reeving should be carried out by trained personnel only.

Power should be switched off before operations are carried out.

Work should only take place when equipment is seated on a firm surface.

Limitation of use

1. Working load limit (WLL) should never be exceeded.
2. Hook-blocks should be used in vertical lift only.
3. Rigging blocks should be used only as in design specifications.
Blocks should not be used for towing unless specifically designed and marked for that purpose.
4. Swivels should be used in either vertical or horizontal plain only.
5. Horizontal and vertical lead sheaves used only as indicated in description.
6. Shock or side loading should not be applied unless equipment is designed for that purpose.
7. Load should always be in seat of hook or eye. **NEVER AT POINT**

Inspection and Maintenance

Inspection should be carried out weekly or where equipment is used infrequently, each time it is used by the operator.

Examination by a competent and trained person should be carried out monthly on the hook-block or swivel for damage, corrosion, free movement of sheave, swivel and safety latch.

Thorough examination by a competent and trained person should be carried out annually on equipment for mobile and crawler cranes.

- Every 4 years, hook and hook nut are to be dismantled, inspected and retested (proof loaded).

Warnings and application instructions

Particular attention to be paid to the following:

1. Wear in hook, center pin, becket and threads in hook and nut.
2. Play in sheave bushes or bearings.
3. Spacer bolts, nuts and lynch pins.
4. Check for cracks in welds.
5. Condition of safety latch and grease nipples.
6. Wear to holes in side plates and becket.

If cracks or heavy gouges appear, the equipment should not be used and qualified opinion should be sought. If grooved and the section reduced by more than 5% the item should be replaced.

Repairs should be done by grinding. NO welding should be carried out unless prior authority is obtained from Ropeblock B.V. Chain-components grade 8 or higher, should not be used in alkaline ($>pH10$) or acidic conditions ($<pH6$). Comprehensive and regular examination must be carried out when used in severe or corrosive inducing environments. If the holes in cross head, side plates, becket, eyes or yaws are enlarged by more than 5%, the part should be replaced. Any parts to be replaced should be purchased from Ropeblock B.V., or manufactured under their instruction.

All repairs to be carried out by responsible personnel and great care should be taken in the re-assembly of the equipment and captivating parts i.e., grub screws, lynch pins, etc.

Check and refit only correct sizes and threads.

Lubrication

As a general rule sheaves, cross heads, bearings and bodies should be greased through nipples where positioned:

1. Re-lubrication should be done minimal every month or 250 hours.
2. Heavy duty or high performance equipment should receive re-lubrication weekly.

For subsea equipment: Always remove the air-vent plug before the greasing operation, and replace afterwards to prevent jamming.

