

Rigging Buying And Inspection Checklist

A one page working checklist for procurement engineers and site supervisors: what to specify before the order, what to check on delivery, and what to check before every lift.

Use before the order to make sure the quote you receive is for the right grade finish and design factor

Use on delivery to check marking dimensions and certificates against what you bought

Use on site as the pre-use check for rated rigging

All figures in this document are the specification lines published in the Kailipu catalogue. Where a value is not stated it is available on request. Send a drawing or a bill of materials on WhatsApp +86-18660236941 or to sales@qd-kailipu.com and we will confirm sizes, finish and lead time.

Before The Order

☐	Confirm the working load limit you need against the calculated line load, not against the winch or crane rating.
☐	Confirm the grade: Grade 43 or Grade 70 for transport, Grade 80 or Grade 100 for overhead lifting.
☐	Confirm the design factor. Rigging hardware is 4:1 as standard, polyester slings are 7:1.
☐	Confirm the finish for the environment: zinc plated, hot dip galvanised, powder coated, electrophoretic black or self colour.
☐	State whether you need a Material Test Certificate to EN 10204 3.1 with the batch.
☐	State the marking you need stamped: tonnage, grade, batch or your own brand.

On Delivery

☐	Check the stamped working load limit and grade on every item against the packing list.
☐	Check the dimension table against the drawing or the catalogue page for the size you ordered.
☐	Check the certificate package covers the batch numbers you received.
☐	Check the finish is unbroken with no bare steel at the forging flash line.
☐	Check moving parts turn freely: shackle pins, turnbuckle threads, snatch block sheaves, winch drums.

Before Every Lift Or Lash

☐	Read the marking. If the working load limit is no longer legible, take the item out of service.
☐	Look for deformation: an opened hook throat, a bent shackle bow, a stretched chain link, a distorted eye.
☐	Look for wear at contact points and reject any item worn past the limit in your inspection scheme.
☐	Check webbing and round slings for cuts, abrasion into the core, heat glazing and chemical attack.
☐	Check wire rope for broken wires, birdcaging, crushing and corrosion, and check clips are torqued and correctly oriented.
☐	Fit the locking element: cotter pin on a bolt type shackle pin, lock nut on a turnbuckle, safety latch closed on a hook.
☐	Keep the pull in line with the item and avoid side loading shackles, hooks and eye bolts.

Records To Keep

☐	Batch number and Material Test Certificate for each rated item in service.
☐	Date of first use and the inspection interval your scheme requires.
☐	Inspection findings and the reason for any item taken out of service.
☐	Photographs of damage where an item is rejected, useful if you want us to review a failure with you.

This checklist reflects the specification, testing and marking practice described on qd-kailipu.com. It is not a substitute for the inspection scheme required by your own regulator or insurer.

Qingdao Kailipu Electromechanical Co., Ltd
No.66 Changcheng Road, Chengyang District, Qingdao, China
sales@qd-kailipu.com
WhatsApp +86-18660236941
qd-kailipu.com