Compact, Light, and Tough Frame for Heavy Duty Applications

KITO LEVER HOIST Model L5
Kito’s innovative engineering has produced the LEVER BLOCKS much smaller and lighter.

Safety, operability, and ruggedness are the top priorities so that the LEVER BLOCKS perform well in the toughest field conditions.

Designed for all of the applications in the professional field such as transportation, bridge, general construction, civil engineering, shipbuilding, and forestry.

Kito’s original free chain adjusting mechanism greatly improves the working efficiency.
Features

Unique Operability and Durability!

Standard of Industries,
KITO LEVER BLOCK Model L5

Compact size and light weight
KITO original technology has realized innovative
downsizing and weight saving. Portability and storing
have become better and more convenient, respectively.
Operability has also been largely improved at a small
place.

Adoption of nickel plated chain
The nickel plated chain that KITO has developed originally
has a high strength of 1,000N/mm², which is the highest
level in the world. Besides toughness, it is also excellent
in both corrosion resistance and wear resistance.
* Since anticorrosive effect depends on chemicals, please
consult us beforehand.

Adoption of high strength frame
The frame is integral structure made of carbon steel for
machine construction. For load bearing supports,
induction hardening (patent) has been applied. The
strength has also increased outstandingly by increasing in
thickness.

Lever strength increase
Lever strength (bending, torsion, and lever support) has
improved remarkably by reviewing the shape and the
thickness of the lever.

Hook latch with departure prevention
A hook latch has been designed to fix
certainly. The increase of the hook latch
thickness has also resulted in strong
resistance for deformation and damage.

Weight saving hook
Alloy steel for machine structures has been adopted
for the hooks of LB025 to LB090 with large
capacities. This has allowed weight saving without
changing the overall size.

Reliable brake performance
(Mechanical brake)
A dry condition brake has been designed to have
strong braking force due to original structure
(non-asbestos material adoption).

Maintenance improvement by
adopting cap nuts
Cap nuts are used to tightening a gear
case and a brake cover. The
maintenance improves substantially
without damaging screws.

KITO original idling device
If you have only to pull up the handle grip of an
idling device, you can speedily perform the
adjustment to get the necessary lifting height.

[Option] KITO load signal
This is an overload sensing device, which
displays an overload indication (green -->
red) in the window of the lever at the same
time that the lever tip (handle grip portion)
bends in overload working.

Bottom Yoke with safety guard
This serves as the guard to prevent the nuts of
chain pins and split pins from undergoing
deformation and damage during horizontal pulling
work.
7 standard capacities with wide range from 0.8t to 9t. Choose the

- **LB008** 0.8t
- **LB010** 1t
- **LB016** 1.6t
- **LB025** 2.5t
- **LB032** 3.2t

Optional hook for special tip-loading applications

Shape is cut out with special tip so it can hook on to the edge of steel plate making it suitable for certain shipbuilding or plate working applications. (Not suitable for general load holding, taking-up, or lifting applications – use standard hook instead).
Rated load (W.L.L.)

<table>
<thead>
<tr>
<th>Code</th>
<th>Standard lift</th>
<th>Hand-pull to lift full load</th>
<th>Test load</th>
<th>Mass (Net weight) *1</th>
<th>Cam dimensions (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(t)</td>
<td>(m)</td>
<td>(kg)</td>
<td></td>
<td>a             b       c</td>
</tr>
<tr>
<td>LB008</td>
<td>0.8</td>
<td>1.5</td>
<td>1200</td>
<td>5.7</td>
<td>144            144      159</td>
</tr>
<tr>
<td>LB010</td>
<td>1.0</td>
<td>1.5</td>
<td>1500</td>
<td>5.9</td>
<td>119            119      126</td>
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<tr>
<td>LB016</td>
<td>1.6</td>
<td>1.5</td>
<td>2400</td>
<td>8</td>
<td>280            300      335</td>
</tr>
<tr>
<td>LB025</td>
<td>2.5</td>
<td>1.5</td>
<td>3800</td>
<td>11.2</td>
<td>245            245      265</td>
</tr>
<tr>
<td>LB032</td>
<td>3.2</td>
<td>1.5</td>
<td>4800</td>
<td>15.5</td>
<td>97             97       100</td>
</tr>
<tr>
<td>LB063</td>
<td>6.3</td>
<td>1.5</td>
<td>7900</td>
<td>40</td>
<td>23.5           29       32</td>
</tr>
<tr>
<td>LB090</td>
<td>9</td>
<td>1.5</td>
<td>11300</td>
<td>42</td>
<td>35.5           42.5     42.5</td>
</tr>
</tbody>
</table>

* The load-lifting height can be set according to the user’s application. However, no addition to the chain to increase the length is possible as Kito chains are heat treated. When ordering, specify the length of chain in advance or consult your local Kito distributor.

Kito Clip is a fixture for wire rope developed for combined use with a Lever Block or Chain Block. It’s easy to use and economical.

Features:
- Can be fixed easily in any location along a wire.
- Wire is firmly gripped by simply inserting the wire into the frame and pulling.
- Features a special groove that protects the wire.
- Economical and versatile.

Application examples:
- Horizontal pulling of load
- Logging in mountains
- Uprooting (stump pulling)
- Horizontal pulling of machines

Operating environmental conditions
- Operating temperature range: -40ºC to +60ºC
- Operating humidity range: Use the hoist at under 100%RH. This product cannot be used in water.
Extremely compact, lightweight, portable design for ease of use in elevated work positions. Small hand-pull force for highly reliable pulling and lifting to the last click.

Reliable load-holding performance
The LX series, designed with a single-step reduction gear, is characterized by a small manual fastening force and assured load holding. Reliable load fastening can be provided to the last clicking of the lever.

Extremely compact and light
Kito’s innovative technology makes the LX series extremely compact and light. It’s very easy to carry, and easy to use, even in tight quarters or in elevated work locations. What’s more, it can be conveniently stored in a special carrying case (LX003 only).

Nickel-plated chain
Kito’s unique R&D produces world-class performance. The grade 100(1000 N/mm²) chain, made from a special high strength alloy, features an unbeatable combination of toughness and resistance to corrosion & wear. (For special environments consult your Kito distributor since corrosion resistance varies depending on corrosives involved)

Net weight of just 1.6kg!
Kito’s innovative technology makes the LX series extremely compact and light. It’s very easy to carry, and easy to use, even in tight quarters or in elevated work locations. What’s more, it can be conveniently stored in a special carrying case (LX003 only).

For details please refer to the “KITO LEVER BLOCK LX Series” catalog.