

BUDGIT® HAND CHAIN HOISTS & TROLLEYS



Strength and reliability.

BUDGIT® USA Hand Chain Hoists

BUDGIT USA Hand Chain Hoists were boldly engineered to combine various materials with special shapes and incorporate features to ensure greater strength and ruggedness, true efficiency, smooth operation and greater reliability. BUDGIT USA Hand Chain Hoists boast features like:

- Light weight.
- Frame made from tough aluminum alloy casting with high strength qualities.
- Hand chain wheel cover of heavy pressed steel with special shape to guide the hand chain through gag-resistant operations.
- A proven load brake design of the Weston Type for fine, sure control.
- Overload device standard. Protection from excessive overloads.

BUDGIT Aluminum Hand Chain Hoist and HI-CAP2 BUDGIT Aluminum Army Type Trolley Hoists

The BUDGIT Aluminum Hand Chain Hoist is a rugged, heavy-duty hand chain hoist offered for higher capacities. As a hook suspended hoist, it is available in 1/4 to 10-ton capacities. As a trolley hoist, it is available in 1/4 to 12-ton capacities. Since the reeving of additional parts of chain is contained inside the one-piece frame, true vertical lift is achieved. This design feature eliminates loss of lifting efficiency normally encountered with an angular pull. Loads are easier to lift and lower.

Suspension Frame

The hoist frame and covers are tough, impact resistant, heat treated cast aluminum alloy for strength and rigidity. The light weight frame is one-piece construction, housing the hoisting mechanism as well as the chain anchorage or cast steel idler sprockets inside the frame.

BUDGIT Steel Frame Hand Chain Hoists

The BUDGIT Steel Frame Hand Chain Hoist is cataloged in capacities of 1/4 to 25-ton with 30, 40, and 50-ton models available. The basic model is compact and sturdy enough to serve as a rigger's hoist. Low Headroom Trolley Hoist is ideal for use in existing structures with low ceilings. Swivel Truck Low Headroom Trolley Hoist has the ability to travel extremely short radius curves without binding or scraping on the I-beam or monorail. Twin Hook Hoist solves lifting long bulky loads easily and evenly. And the Extended Handwheel Hoist permits an anti-friction bearing for smooth lowering. The brake hub is corrosion resistant bronze alloy and hand chrome plated for long wear.

Spark and Corrosion Resistant Models

Spark and corrosion resistant models, for both the USA Hand Chain and Aluminum Hand Chain Hoists, are designed for service in certain hazardous atmospheres and areas where resistance to friction sparks is vitally important. These models have: bronze alloy hooks; bronze block sleeve or aluminum lower block; special chrome nickel stainless steel alloy load chains; and aluminum or bronze alloy hand chains.



BUDGIT®

USA HAND CHAIN HOISTS

Capacities: 1/4 to 6 ton

Designed for long life with minimum maintenance, the BUDGIT USA family of hand chain hoists outstanding features include: lightweight, tight headroom, overload device standard, and easy operation. The 1/4 thru 6-ton models are of the same basic construction and consist of a cast aluminum frame which houses an automatic load brake, spur gear reduction, and load sprocket with chain guide. Suspension hook is full swiveling.

Spark and Corrosion Resistant Models

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USA ARMY TYPE TROLLEY HOISTS

Capacities: 1/2 to 6 ton

The BUDGIT USA Army Type Trolley Hoist is offered for those applications where closer headroom is required. It consists of a lug suspension model BUDGIT USA Hand Chain Hoist with a BUDGIT Rigid Mount Trolley. The lug hoist contains all the fine features of the BUDGIT USA Chain Hoist with the exception of submitting a lug suspension for the normal hook suspension. The rigid mount trolley is the BUDGIT Rigid Mount Trolley outline on page 6, offering either a push type or hand geared type traverse suspension.



HI-CAP 2 ALUMINUM HAND CHAIN HOISTS

Capacities: 1/4 to 10 ton

Get all of these advantages:

- *Light Weight*
- *One-Piece Frame*
- *Fine Control*
- *Rugged Construction*
- *Low Maintenance*
- *Standard Overhead Protection*

The outstanding design features of the BUDGIT Aluminum Hand Chain Hoist provide the finest concept of high strength spur geared chain hoists offering the user maximum ease of lifting with a long, trouble-free operating life. The hoist frame and covers are tough, impact resistant, heat treated cast aluminum alloy for strength and rigidity. The light-weight frame is one-piece construction housing the hoisting mechanism as well as the chain anchorage or cast steel idler sprockets inside the frame. The result is vertical reeving of the load chain, thus increasing the efficiency of pull by the operator. The gears are made large for ease in raising loads. The Weston type automatic mechanical load brake offers positive control over the load.

Spark and Corrosion Resistant Models

Spark and corrosion resistant models, for both the USA Hand Chain and Hi-Cap2 Aluminum Hand Chain Hoists, are designed for service in certain hazardous atmospheres and areas where resistance to friction and sparks is vitally important. Some models have: aluminum lower block, special chrome nickel stainless steel alloy load chains, and aluminum hand chain.

True Vertical Reeving

Sheaves are arranged to eliminate angular chain pull, permitting true vertical lifting for maximum lifting efficiency.



BUDGIT®

HI-CAP2 TROLLEY HOISTS

Capacities: 1/4 to 12 ton

These integrally built trolley and hand chain hoist combinations produce a compactness with exceptional high hook lift and low headroom advantages. Hoist section contains all the fine design features of the BUDGIT Aluminum Hand Chain Hoists. The trolley section has side plates of extra heavy rolled steel and forged alloy steel wheels with sealed ball bearings. Hand geared type models are identical to the push type models except that wheel flanges on one side are geared and meshed with a pinion driven by a hand wheel and chain.

Low
Headroom
1/2-6 tons



STEEL FRAME HOISTS

Capacities: 1/4 to 25 ton

BUDGIT Steel Frame Chain Hoists are designed, built, and tested to rigid specifications of quality and performance. They are thoroughly engineered from every standpoint; have been made light in weight, compact and sturdy enough to serve as a rigger's hoist. Simplicity of design makes them easy to service and maintain, permits longer trouble-free periods of service. They are strong, durable and fully enclosed, and thus well suited for indoor or outdoor use under all hoisting applications.

ARMY TYPE TROLLEY HOISTS

Capacities: 1/4 to 2 ton

BUDGIT Army Trolley Hoists, in 1/4 to 2-ton capacities, are light weight and easily traverse minimum radius curves since the trolley units swivel. Construction is ingeniously simple. A standard BUDGIT super geared hoist is suspended on a special load bar carried at each end by a lifetime lubricated precision ball bearing equipped two wheel trolley. Trolley units are adjustable to beam size and are interchangeable. Plain trolley may be replaced with geared unit at any time, as required. Wheels have convex-machined treads that will maintain roundness through long use.



STEEL FRAME LOW HEADROOM TROLLEY HOISTS

Capacities 1-1/2 to 24 ton

BUDGIT Low Headroom Trolley Hoists are designed for applications where headroom is so limited that no other type hoist can be used. They offer an ideal solution in existing structures with low ceilings. This further suggests the possibility of interesting cost savings in new construction by allowing lower ceilings.

These hoist models are not adjustable to varying size beams. Each unit is custom built to fit the size beam specified in the order. However, the hoist can be built to operate on beams larger than standard.



STEEL FRAME SWIVEL TRUCK LOW HEADROOM TROLLEY HOISTS

Capacities: 1/4 to 4 ton

Low Headroom Trolley Hoist Incorporates two highly desirable features—compact low headroom design, and the ability to travel extremely short radius curves without binding or scraping on the I-beam or monorail. Therefore, runways can be located closer to walls than would otherwise be possible with units of heavier and bulkier construction. And, like the standard low headroom type, this hoist also permits building to close headroom dimensions, with consequent savings in construction costs.

This trolley hoist is not adjustable to varying size beams. Each unit is custom-built to fit the size beam specified in the order. However, this hoist can be built to operate on beams larger than standard, and on either standard or wide flange beams. Be sure to specify height, type and flange width of I-beam. Curve radius must always be specified when ordering.



TWIN HOOK & EXTENDED HAND WHEEL

Capacities: 1/4 to 5 ton

Twin Hook Hoists

Two separate but connected spur gear hoists are driven simultaneously from a single hand chain. Long bulky loads can be easily and evenly lifted with the Twin Hook Hoist. Typical loads are: tubes, frames, lowers, drying and storage racks, auto and truck bodies, vats and tanks.

The suspension hooks can be hung from trolleys or from fixed positions. Furnished with 3' center distance between hooks are standard. Available with 4' through 16' center distances. Specify desired center distance. Center bearing required for distance 10' or over. See price sheet. Only half of rated capacity of hoists is carried on each load hook. Exceeding one-half the rated capacity on each load hook when hooks are used together or individually can result in injury to persons and damage to property.

Extended Hand Wheel Hoists

This is a steel frame chain hoist with handwheel extended to allow the operator to stand at a distance from the load. Typical applications are: handling hot materials from a distance, handling work whose surface must be protected from marring by the hand chain, or handling large, flat or bulky loads. The suspension may be from fixed supports or on trolleys. Inquire for prices and information on unusually large capacities.



TROLLEYS

Capacities: 1/4 to 3 ton

RIGID MOUNT TROLLEYS

These Rigid Mount Trolleys are designed especially for use with lug suspended hoists. The trolleys attach directly to lug brackets on hoists, thereby forming integral trolley-hoist combinations, offering close headroom dimensions—making the trolley-hoist ideal for hoisting applications where distance from floor to I-beam is limited.

The trolleys are of all steel construction to provide maximum strength. Wheels have hardened treads insuring long life and operate on ball bearings for easy travel.

On hand geared models, the hand chain operated wheel turns a pinion which meshes with wheel gears for ease of operation and accurate spotting. The chain guide keeps the chain aligned with the wheel and helps prevent fouling. The wheel gears and drive pinion have machine cut teeth.

Anti-tilt rollers are provided on hand geared trolleys, as well as the 1-ton push type for extended hand chain wheel hoist, to eliminate tilting of trolley on beam when operating with light load or without load.



HOOK MOUNT TROLLEYS

BUDGIT-Beam Trolleys expand the usefulness of BUDGIT Hand Chain Hoists providing a quick, easy way to lift and transport materials from place to place. In either Push or Hand Geared Type, BUDGIT Trolleys require little effort to traverse even when loaded to capacity.

Design and Construction Features

Frames: Deeply embossed steel sideplates on the 1/4 through 2-ton models provide a high strength to weight ratio. Sideplates are of wrap-around design providing a full face bumper as well as a protective lug which will prevent trolley from falling off I-beam in event of inadvertent wheel axle failure. The 3-ton trolley sideplate frames are thick rolled steel sections with added bumpers.

Wheels: High-quality pressed steel wheels, carburized and hardened to ensure long life, are offered on the standard trolleys. Spark resistant models have beryllium copper wheels. The wheels have built-in ball bearings to provide smooth easy rolling motion and compound tread design to make them suitable for operation on wide flange beams as well as American Standard I-beam tapered flange beams. Deep flanges help prevent wheels from climbing the track.

Cross Pin: The cross pin connects the sideplates and provides equalized wheel loads. It has a center located hood saddle groove designed for mounting hook suspended hoists permitting the closest possible headroom. Each trolley is easily adjustable to fit several sizes of beams by simply shifting cross pin spacer washers from inside to outside of trolley sideplates.



TROLLEYS

Capacities: 1/4 to 40 ton

CAST IRON WHEEL TROLLEYS

Heavy rolled steel side plates are shaped in the manufacturing process to give these trolley units stability and rigidity. As an added feature, side plates extend beyond the wheels to act as bumpers. Steel equalizing pins connect the two halves of each trolley to provide load equalization and smooth operation.

Trolley wheels are alloy cast iron, through-hardened for long wear and continuing roundness. Wheel treads are machined to provide the smoothest possible rolling motion.

Hand geared trolley has wheels with completely machined gear teeth. When operating, the teeth are driven by a steel drive pinion turned by a hand chain operated wheel. A swinging chain guide helps keep the chain aligned and free from fouling.

Steel axles are rigidly supported in the side frame and set at the same angle as the American Standard Section I-beam flange.

Special trolley blocks reinforce the side plates as well as the equalizing pin. To save headroom, a hoist can be suspended directly from the pin or from the heavy steel suspension clevis (provided).

1/4 through 2-ton trolleys have sealed lubricated precision ball bearings; 3-ton and over trolleys are equipped with eight duo-sealed Timken tapered roller bearings.

ACCESSORIES

CHAIN CONTAINERS FOR HAND CHAIN HOISTS

These receptacles receive the slack load chain as it reeves over the load sheave. In this way, slack chain is kept from interfering, and from marring or scratching any load with finished surfaces. Compact design helps maintain best possible headroom. Containers are available for all types of BUDGIT aluminum and steel frame hand chain hoists and trolley hoists.

