PSC HAND SAFETY | PRODUCT DATA SHEET

PSC PIPE & HOSE LIFTER

PSC-HTL Series | 3–3.75" | 4–4.75" | 6–6.75" Variants | Other sizes on request

Hands-Free Pipe, Hose, and Cylindrical Object Lifting Tool — Three Standard Sizes

Quick-latch grip-lock jaw eliminates direct hand contact throughout every manual lift and carry operation.

PRODUCT OVERVIEW

The PSC Pipe & Hose Lifter is a quick-latch grip-lock tool that eliminates direct hand contact during manual carrying of pipes, hoses, and cylindrical objects. The jaw locks around the pipe or hose with a single click — the operator holds the ergonomic handle and lifts in a natural upright position, like carrying a suitcase.

In fracking, drilling, and process operations, workers spend entire shifts dragging heavy hoses carrying hazardous fluids or pressurised gases across wet, slippery terrain — causing hand, back, and fall injuries. The Pipe & Hose Lifter eliminates that method by design.

AVAILABLE VARIANTS — THREE SIZES

3" TO 3.75"	4" TO 4.75"	6" TO 6.75"
PSC-HTL-002	*PSC-HTL-004*	*PSC-HTL-006*
Smaller hoses, tubes, and pipes. Drilling mud lines, small process hoses.	General-purpose. Most common hose and pipe diameters across all industries.	Large-bore hoses, pipe bundles, rolls, conveyor idlers, and heavy cylindrical loads.

WHY THIS TOOL MATTERS — THE HAZARD CONTEXT

THE HAZARD

- Manual pipe and hose handling places hands directly on the load — fingers wrapped around a cylindrical object are exposed to pinch and crush injury whenever the load shifts or rolls unexpectedly.
- Hose dragging across muddy, wet, or slippery terrain forces workers into a bent, unbalanced posture — back strain, falls, and hand impact injuries are all direct consequences of the method itself.
- Rolling mill rolls, conveyor idlers, and heavy cylindrical components present the same hazard — workers handling them by direct contact are in the crush zone throughout every lift.
- No standard lifting aid was designed for manual cylindrical object carrying — workers default to bare-hand contact because no suitable purpose-built solution was available.

THE CONTROLLED APPROACH

- The jaw locks around the object with a single click — the hand holds the handle only. Zero direct contact between the operator's hand and the load surface throughout the carry.
- The operator lifts in a natural, upright standing position — eliminating the bending and dragging posture that causes back strain, falls, and loss of balance on uneven terrain.
- Tested to over 1,100 lbs and electrically insulating — structural and safety performance matched to the heaviest, most hazardous hoses and pipes in industrial use.
- Three jaw sizes cover the full range of standard diameters. Other sizes available on request — matching the tool to the task, not adapting the task to the tool.

KEY FEATURES & FUNCTIONAL DESCRIPTION

Click, Grip, Lift, Move	Quick-latch mechanism locks onto the pipe or hose with a single click — no tools, no adjustment. Once engaged, the operator lifts in a natural upright standing position. Tested to over 1,100 lbs. Release is operator-controlled.

Zero Hand-to-Load Contact	The hand holds the ergonomic handle only — never the pipe, hose, or roll surface. Eliminates all pinch, crush, and impact exposure from the cylindrical load contact zone.
Electrical Insulation & Temperature Resistance	High-performance electrically insulating materials rated for electrical exposure environments. Resistant to extreme temperatures — suitable for refineries, high-temperature process zones, and electrical utility operations.
Ergonomic Upright Handling	Enables carrying from a natural, upright position — eliminating the bending and dragging posture that causes back strain and fall injuries across a full shift of hose handling work.
Safe Handling of Hazardous Fluids	Reduces direct skin contact with hoses carrying hazardous chemicals, bio-waste, fuel, or pressurised gases — the handle keeps hands clear of hose surfaces and any associated contamination or leakage risk.

APPLICATIONS | TECHNICAL SPECIFICATIONS

OIL & GAS AND DRILLING

- Drilling mud suction hoses — secure grip on heavy, slippery hoses during suction and pumping.
- Water trucks and frack ponds — large-diameter hose transfer in hydraulic fracturing operations.
- Tanker hoses for diesel and jet fuel — safer handling of pressurised fuel hoses in refineries.

INDUSTRIAL & PROCESS PLANTS

- Vacuum trucks and bio-waste pump-out hoses — hygienic, safe maneuvering of sewer hoses.
- Water treatment and utility operations — high-pressure water line hose handling.
- Refineries and industrial plants — chemical and gas hoses in high-temperature zones.

ROLLING MILLS & MATERIAL HANDLING

- Pinch rolls and TC rolls — manual handling during roll changes and maintenance.
- Conveyor idlers — installation, replacement, and maintenance handling.
- Work rolls, tube bundles, and any cylindrical component requiring manual carrying.

TECHNICAL SPECIFICATIONS

Part Numbers	PSC-HTL-002 (3–3.75") PSC-HTL-004 (4–4.75") PSC-HTL-006 (6–6.75")
Other Sizes	Available on request
Latch Mechanism	Quick-latch: click, grip, lift, move
Load Tested	Over 1,100 lbs
Hand Contact	Zero — handle only
Electrical	Insulating construction
Temperature	Extreme temp resistant
Handle	Ergonomic — gloved use, one-handed
Environment	Industrial, O&G, offshore, food, agri

INDUSTRIES SERVED | BEST PRACTICE FOR SAFE USE

INDUSTRIES SERVED

- Oil & gas drilling and hydraulic fracturing
- Refineries and petrochemical process plants
- Steel plants and rolling mills
- Vacuum truck and bio-waste operations
- Water treatment and utility operations
- Agriculture and irrigation
- Food and beverage processing
- Environmental remediation

BEST PRACTICE FOR SAFE USE

Select correct jaw size: Match the jaw range to the object diameter — 3–3.75" for smaller hoses, 4–4.75" for general pipe and hose, 6–6.75" for large-bore and cylindrical rolls.

Click and confirm latch before lifting: Engage the quick-latch and confirm it has locked positively before taking the load. Do not carry until lock is confirmed.

Use for all hose and pipe carries: The Pipe & Hose Lifter is the designated tool for cylindrical object carrying — do not carry by direct hand contact when the tool is available.

Inspect before use: Check jaw mechanism, latch, and handle integrity before each use. Remove from service if wear, deformation, or looseness is detected.

Any cylindrical object that still needs bare hands to carry has not been properly equipped.

The PSC Pipe & Hose Lifter closes that gap — in three sizes, for every cylindrical object, in every industrial environment.