

PSC EzyLIFT™

PSC-EZL | Pipe Lifting Tool

Engineered Pipe Lifting Tool — Zero Hand-to-Pipe Contact by Design

Developed from real incident analysis and field-tested load interaction study. The hand holds the tool. The tool holds the pipe. One layer of geometry eliminates all hand exposure.



PIPE LIFTING TOOL



PRODUCT OVERVIEW

The PSC EzyLIFT™ was not designed at a desk. It was developed by studying real lifting movements, operator posture, and how loads behave during slips and shifts in the field — responding to a real crush injury in which a worker's hand was caught between a pipe and a wall when his co-worker slipped. No shortcuts were taken. No rules were broken. The method itself was the hazard.

The EzyLIFT™ eliminates that hazard by design: the operator's hand never touches the pipe. The tool's geometry ensures grip pressure increases as load increases — the heavier the pipe, the more securely the tool locks. Consistent performance regardless of fatigue, gloves, or wet conditions.

Part Number: PSC-EZL

WHY THIS TOOL MATTERS — THE HAZARD CONTEXT

THE HAZARD

- Manual pipe carrying places hands in direct contact with the load — any sudden movement, stumble, or surface change transfers force instantly to the hand and into whatever is nearby.
- The hand becomes part of the load system. When the load moves unexpectedly, the hand moves with it — into a wall, a floor, a rack, or another worker.
- Pinch points are everywhere during manual pipe carrying: pipe vs wall, pipe vs floor, pipe vs structure. Safety depends entirely on grip strength and coordination — both unreliable variables.
- The method itself is the hazard — not the worker's behaviour. Instruction-based safety cannot fix a task whose geometry puts the hand in the crush zone by design.

THE CONTROLLED APPROACH

- The EzyLIFT™ creates a mechanical interface between the hand and the pipe — the hand holds the tool, the tool holds the pipe. Zero direct hand-to-pipe contact at all phases of the carry.
- Geometry locks tighter under load: grip pressure increases as the pipe gets heavier — the tool holds more securely as conditions become more demanding, not less.
- Neutral wrist position maintained throughout the lift — the tool keeps the wrist biomechanically correct, eliminating the strain caused by gripping a cylindrical object directly.
- Performance is consistent regardless of fatigue, glove type, or wet conditions — the tool does not depend on the worker's physical state in the way bare-hand carrying does.

KEY FEATURES & FUNCTIONAL DESCRIPTION

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| Neutral Wrist Position | The tool's geometry keeps the wrist in a biomechanically correct neutral position throughout the lift, eliminating the strain and vulnerability caused by gripping a cylindrical object directly. Ergonomic load transfer from pipe to hand without joint stress. |
| Positive Grip Under Load | The tool's geometry means grip pressure increases as load increases — not decreases. The heavier the pipe, the more securely the tool locks onto it. Performance improves under the conditions where manual carrying becomes most dangerous. |
| Hand Removed from Contact Zone | The fundamental breakthrough: the hand never touches the pipe at any point during the carry. The hand holds the tool. The tool holds the pipe. One layer of engineered geometry removes all hand-to-pipe contact and eliminates every associated pinch point and crush risk. |
| Condition-Independent Performance | Unlike bare-hand grip strength, the EzyLIFT™ performs identically whether the worker is fatigued, wearing gloves, or working in wet or oily conditions — removing the human-variable element from the safety equation. |
| Developed From First Principles | Designed by studying real lifting movements, operator posture, and how loads behave during slips and shifts in the field — not replicated from generic outer shapes. Adopted across fabrication, oil & gas, construction, steel plants, and offshore environments. |

PSC EzyLIFT™ vs GENERIC PIPE LIFTING TOOLS

| FEATURE | GENERIC TOOLS | PSC EzyLIFT™ |
|-------------------------|---------------------------------|--|
| Grip under load | ✗ May loosen or slip | ✓ Positively locks tighter |
| Wrist position | ✗ Uncontrolled — user-dependent | ✓ Neutral position by design |
| Based on load behaviour | ✗ Replicates outer shape only | ✓ Designed from load interaction study |
| Field tested | ✗ Lab geometry, not field use | ✓ Adopted across multiple industries |
| Hand exposure | ✗ Reduced — still present | ✓ Eliminated by design |

APPLICATIONS | TECHNICAL SPECIFICATIONS

PIPE HANDLING ENVIRONMENTS

- Fabrication and engineering workshops — short and long distance pipe carrying.
- Pipe manufacturing units — production line manual handling.
- Construction and pipeline installation — site and trench pipe movement.

INDUSTRIAL & OFFSHORE

- Oil & gas and offshore platforms — pipe handling in confined and exposed deck areas.
- Maintenance and shutdown operations — replacement and repositioning of in-service pipe.
- Steel plants and heavy industry — large diameter and heavy section pipe movement.

TECHNICAL SPECIFICATIONS

| | |
|------------------|---|
| Part Number | PSC-EZL |
| Tool Type | Pipe lifting / carrying tool |
| Hand Contact | Zero — hand holds tool only |
| Grip Behaviour | Increases under higher load |
| Wrist Position | Neutral by design |
| Condition Rating | Gloved, wet, fatigued use |
| Material | Heavy-duty cast steel |
| Colour | Black powder coat |
| Industries | Fabrication, O&G, offshore, construction, steel |

INDUSTRIES SERVED | BEST PRACTICE FOR SAFE USE

INDUSTRIES SERVED

- Fabrication and engineering workshops
- Pipe manufacturing units
- Oil & gas and offshore environments
- Construction and pipeline installation
- Maintenance and shutdown operations
- Steel plants and heavy industry

BEST PRACTICE FOR SAFE USE

Use for all manual pipe carries: The EzyLIFT™ is the designated interface for manual pipe carrying — do not carry pipe by direct hand contact when the tool is available.

Both workers use the tool: In a two-person carry, both operators should use the EzyLIFT™ — partial adoption leaves one worker exposed.

Inspect before use: Check tool geometry and locking action before each use. Remove from service if deformation, cracks, or loose fit is detected.

Not for overhead crane use: The EzyLIFT™ is a manual carrying tool — it is not rated for crane or hoist attachment.

Safety by design. Not by instruction.

When the method is unsafe, no amount of training or reminding makes it safe. The PSC EzyLIFT™ changes the method — eliminating hand exposure from pipe carrying by engineering, on every carry, in every operating environment.