

HAND SAFETY · PIPE HANDLING

PSC EZY-LIFT®

A pipe lifting tool designed to keep the worker's hand outside the bore — so the most common hand injury in pipe handling never happens again.

- CNC Machined · Rubberized Coating
- Load Tested to 300 kg — Zero Deformation
- Designed for Two-Person Pipe Carries
- Developed in India · Exported Worldwide

PIPE



PIPE LIFTING TOOL



THE INJURY NOBODY PLANS FOR

Why the most common pipe carrying method in the world is also the most dangerous

● INCIDENT ORIGIN · OILFIELD FACILITY, KAKINADA, INDIA

Two workers are carrying a pipe. Both have their hands inside the bore — one at each end. The worker in front slips.

In the fraction of a second that follows, the rear worker is pushed backward by the shifting load. His back strikes the wall behind him. The pipe does not fall. The pipe does not slip.

“

The hand was still inside the bore.

*The pipe did not move. **The worker did.***

His knuckles — trapped inside the metal cylinder — took the full force of the impact against the wall.

*The injury was not caused by dropping the pipe. **It was caused by the hand having nowhere to go.***

This is the hidden mechanics of the most common hand injury in manual pipe handling. When the hand is inside the bore, it is not simply holding the pipe — it is locked to it. In any sudden movement, the bore becomes a trap. The worker cannot pull free in time.

THE METHOD

Workers place hands inside the pipe bore because it feels secure, requires no equipment, and prevents rolling. It survived because it is *convenient* — not because it is safe.

THE HIDDEN RISK

The moment the hand enters the bore, the worker becomes connected to the load. Any slip, stumble or sudden shift turns the pipe into a rigid extension of the arm.

THE REAL QUESTION

Not "why did the worker put their hand there?" — but "why did the task require the hand to be there in the first place?" That question led to PSC Ezy-Lift®.

*The Kakinada incident was the founding moment. **PSC Ezy-Lift®** was developed in direct response to it — not as a theoretical product, but as a solution to a specific, real, and entirely preventable injury.*

ENGINEERING & SPECIFICATIONS

BUILT FOR THE TASK. NOT THE PHOTOGRAPH.

PSC Ezy-Lift® took months of development to get right — not to find the right shape, but to find the right geometry. The tool was designed around a simulation of real lifting postures, real pipe bore tolerances, and real-world handling conditions across industries. The result is a tool that works through physics, not friction.

Construction	CNC machined metal plate
Finish	Rubberized black coating
Wall Thickness Range	Up to 4–5 mm pipe wall
Use Configuration	Set of 2 — one per end
Load Tested	300+ kg — zero deformation
Recommended Max Lift	200 kg per set (by hand)
Hand Carry Standard	25 kg per person maximum
Operation	Manual only — no power required
Gloves	Required during use

THE GEOMETRY PRINCIPLE

As the pipe is lifted, the tool's internal geometry creates a positive locking engagement. The weight of the pipe contributes to the security of the hold — load increases grip. This is why the tool works reliably under dynamic handling conditions where friction-dependent tools fail.



300_{KG} Load Test Result
Zero deformation recorded

25_{KG} Manual Carry Limit
Per person, by hand

2_{PC} Set Configuration
One person per end

CNC Manufacturing
Machined — not press-formed

WHERE PSC EZY-LIFT® MAKES THE DIFFERENCE



POSITIVE ENGAGEMENT
Load creates grip. The heavier the pipe, the more secure the hold — no grip strength required to maintain safety.



HANDS OUTSIDE BORE
The fundamental improvement — the worker's hand never enters the pipe. Knuckle, finger, and crush risk is structurally eliminated.



NEUTRAL WRIST POSITION
Designed around real lifting posture simulation. Keeps the wrist in a natural angle, reducing forearm fatigue on repeat carries.



TWO-PERSON READY
One unit per end. Both workers carry with full hand protection simultaneously — no exposure at either contact point.

<\$100

*Around the world, companies spend millions on safety programmes while workers still carry pipes exactly as they did decades ago. **One of the most common hand-exposure tasks on site can be meaningfully improved with a tool costing less than a pair of industrial safety boots.** Scale is where real safety improvement occurs — and this tool makes scale possible.*

INDUSTRIES & APPLICATIONS

Pipe Manufacturers	Steel Service Centres	PVC Pipe Producers	Plumbing Suppliers
Construction Sites	Oil & Gas Contractors	Utility Contractors	Water Infrastructure
HVAC Contractors	Fabrication Shops	Shipyards	Mining Operations
Irrigation Companies	Industrial Warehouses	Mechanical Contractors	Wind Energy Projects
Retail Pipe Yards	Maintenance Depts	Fire Protection	Infrastructure Cos

DOS & DON'TS OF PSC EZY-LIFT®

Correct use ensures the full safety and ergonomic benefit the tool was engineered to deliver.

✓ DOS

- ✓ Slide the lifting arm **completely into the pipe bore** before lifting — partial engagement reduces grip security
- ✓ Always use as a **set of 2 pieces** — one person holding at each end of the pipe
- ✓ Keep your wrist at a natural angle — the tool is designed to be a **natural extension of your hand**
- ✓ Wear **appropriate gloves** at all times during use — the rubberized coating assists grip but does not replace glove protection
- ✓ Ensure the **lifting arm is fully inserted** into the pipe before raising load
- ✓ Keep the tool **clean and stored carefully** when not in use — inspect coating condition regularly
- ✓ Follow your company's **manual handling policy** for permissible lift limits per person
- ✓ For pipes requiring 2-person lifting on either side due to weight, use **PSC Double Handle Lift Assist**

✗ DON'TS

- ✗ **Never use for overhead lifting** — this tool is designed for hand-carry only. Do not attach hooks, cables, chains or crane gear
- ✗ **Do not exceed 200 kg** total load per set when carrying by hand
- ✗ **Do not hammer the tool** onto a pipe with a larger bore — this deforms the jaw and destroys the engagement geometry permanently
- ✗ **Do not modify the tool** in any way — no drilling, thinning, hammering or widening of the mouth
- ✗ Do not use as a **beam clamp, pry bar**, or for any purpose other than pipe lifting
- ✗ **Retire a damaged tool** immediately — deformed jaw geometry or compromised coating means the tool no longer functions as designed
- ✗ Do not use for **pipes outside the designed wall thickness range** (4–5 mm maximum)

300 KG

Load tested. Zero deformation. The standard manual carry limit is 25 kg per person. PSC Ezy-Lift® is engineered to a structural margin that far exceeds every load it will encounter in normal hand-carry operations.

WHY COPIES CANNOT DELIVER WHAT WE CAN

As PSC Ezy-Lift® has become known, imitations have appeared. They are cheaper. Some look similar in photographs. But a pipe lifting tool that looks right in a photograph can be completely wrong in engineering terms — and the difference is invisible until the moment it matters most.

- **Jaw geometry must be precise.** Too loose and the tool rattles without positive engagement. Too tight and it won't seat across pipe tolerances. Wrong angle and grip weakens under load instead of strengthening.
- **Load behaviour is everything.** On PSC Ezy-Lift®, load increases grip security. On copies, the worker must maintain grip strength throughout — the geometry doesn't assist the hold. Under dynamic load, copies can disengage.
- **CNC machining — not press-formed.** The precision of the engagement profile requires CNC cutting. Press-formed copies introduce dimensional variance that affects the contact angles the tool depends on.
- **The rubberized coating is structural.** It protects the worker's hand from a tool-edge laceration hazard. Copies often omit it to reduce cost — creating a new hazard in place of the one they claim to solve.
- **PSC Ezy-Lift® is load tested to 300+ kg.** Copies are not tested to this standard. There is no published data. The consequences of an untested tool failing mid-carry are not theoretical.

*Geometry, unlike appearance, **cannot be copied from a photograph.** The months of development that went into PSC Ezy-Lift® are in the angles, the contact surfaces, and the engagement profile — none of which are visible to the eye.*

GET IN TOUCH

Send us photos or a short video of your pipe handling operation. Our team will assess whether PSC Ezy-Lift® or another engineered solution is right for your application.

EMAIL

sales@pschandsafety.com

ALSO

info@projectsalescorp.com

PHONE

+91 891-2564393

WEBSITE

pschandsfree.com

ADDRESS

28, Founta Plaza, Suryabagh
Visakhapatnam – 530 020
Andhra Pradesh, India

EZY LIFT®

PSC PIPE LIFTING TOOL