

PSC LIFT ASSIST MANUAL LIFTING AIDS

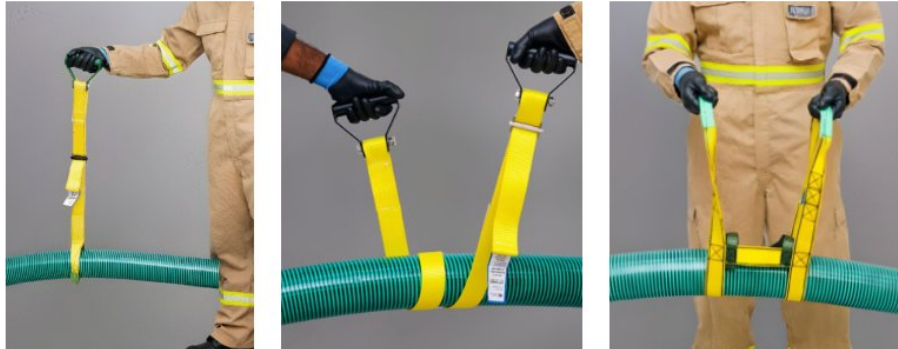
PSC-SH-100 / PSC-DH-100 / PSC-CV

Manual Lifting Aids for Safe Hands-Off Load Handling

Engineered to assist manual lifting while eliminating direct hand contact with the load.



LIFT ASSIST
MANUAL LIFTING AIDS



PSC Lift Assist in use — single handle, double handle, and choke valve variants

PRODUCT OVERVIEW

The PSC Lift Assist Manual Lifting Aids are a range of webbing sling tools designed to assist in the manual lifting and manoeuvring of small but heavy items — pipe sections, pup joints, ironwork, valves, fishing tools, and deck cargo — without requiring the operator to grip the load directly.

Manual handling of heavy components exposes workers to back and musculoskeletal strain, pinch injuries, and crush injuries at the point of contact. These tools provide a structured grip interface through webbing handles, repositioning the operator's hands away from the load surface and reducing the force required to lift, position, and set down.

Available in three configurations — single handle, double handle, and choke valve variant — the range covers the most common manual handling tasks in oil and gas, construction, and heavy industrial operations.

Lightweight, cost-effective, and requiring no specialist training. Compatible with a wide range of components including BOP choke valves, pup joints, fishing tools, chisels, pipe, tubing, and general deck cargo.

WHY THIS TOOL IS REQUIRED — THE MANUAL HANDLING HAZARD

THE HAZARD

- Manual lifting of small but heavy components — pup joints, valves, fishing tools — requires workers to grip directly against irregular, heavy, or sharp surfaces, exposing fingers and hands to crush and pinch injury.
- Repeated bending and reaching to ground-level components generates cumulative musculoskeletal loading on the lower back. Task frequency in drilling and maintenance operations makes this a high-exposure risk.
- Direct contact with pipe, valve bodies, and ironwork during lifting places hands in the primary impact and crush zone when the load moves unexpectedly or shifts during set-down.
- Awkward lifting postures required to grip low-profile or heavy items increase the likelihood of dropped-load events and reactive catching injuries.

WHAT THIS TOOL PROVIDES

- Webbing sling and handle configuration repositions the operator's grip from the load surface to the handle — reducing pinch and crush exposure at the point of contact.
- Ergonomic handle height reduces bending and reaching during pick-up and set-down, lowering the musculoskeletal loading associated with repeated manual handling tasks.
- Two-handed configuration (PSC-DH-100) distributes load symmetrically across both hands and both operators when paired — reducing individual force requirements and improving control.
- Consistent grip interface across different load profiles — pipe, valves, ironwork, deck cargo — standardises handling practice and reduces the task-by-task improvisation that causes injury.

PRODUCT VARIANTS & SPECIFICATIONS

PSC-SH-100

Single Handle Lift Assist Sling

WLL: 75 kg

Size: 50 mm x 900 mm

Single-operator lifting of pipe sections, pup joints, ironwork, and similar components. Handle positioned for upright lifting posture with direct load control.

Note: PSC-SH-100 and PSC-SH-75 are used interchangeably and refer to the same product.

PSC-DH-100

Double Handle Lift Assist Sling

WLL: 100 kg

Size: 50 mm x 1500 mm

Two-handle configuration for balanced two-handed lifting of heavier components, or two-operator use on longer pipe and tubing sections. Distributes load symmetrically.

PSC-CV

Choke Valve Lift Assist Sling

WLL: 50 kg

Size: 25 mm width

Configured for BOP choke valves and similar valve body profiles. Narrower webbing width suits recessed grip points on valve assemblies and associated drilling components.

KEY FEATURES & FUNCTIONAL DESCRIPTION

Ergonomic Handle Design	Handle height reduces bending and reaching during lift and set-down, lowering lumbar loading. Promotes upright lifting posture consistent with manual handling best practice.
Hands-Off Load Contact	Webbing sling contacts the load — operator grips the handle. Eliminates direct hand-to-metal contact, removing the primary crush and pinch exposure zone from the operator's grip.
High Working Load Limits	WLL rated at 75 kg (PSC-SH-100), 100 kg (PSC-DH-100), and 50 kg (PSC-CV) — covering the component weight ranges in routine oil and gas, construction, and industrial tasks.
Versatile Compatibility	Accommodates pipe, pup joints, BOP choke valves, fishing tools, chisels, ironwork, and deck cargo. Single tool covers a broad range of manual handling tasks across a shift.
Lightweight and Cost-Effective	Webbing construction adds no load burden. Low unit cost supports deployment as consumable PPE across crews and site locations without requiring tracking or return protocols.
User-Friendly Operation	No training required. Sling under the load, grip the handle, lift. Reduces the adoption barrier that prevents use of handling aids under operational time pressure.

APPLICATIONS | INDUSTRIES SERVED | SAFE USE

APPLICATIONS

- Lifting and manoeuvring pup joints, drill collars, and pipe sections during rig floor and catwalk operations.
- Handling BOP choke valves and associated valve assemblies during installation, removal, and maintenance.
- Lifting fishing tools, drilling accessories, and ironwork from floor level to working height.
- Deck cargo handling on offshore platforms and supply vessels — general manual lift assist.
- Construction and fabrication — lifting piping, tubing sections, and structural ironwork during fit-up.

INDUSTRIES SERVED

- Oil and gas — offshore and onshore drilling and production
- Construction and civil engineering
- Industrial maintenance and plant operations
- Ports, logistics, and deck operations

SAFE USE GUIDELINES

- Inspect sling and handle before each use. Do not use if webbing shows cuts, abrasion, heat damage, or failed stitching.
- Do not exceed rated WLL. Use PSC-DH-100 for loads between 75-100 kg, or two operators on single-handle variants.
- Sling must be fully seated and positioned to prevent slippage before the lift begins.
- Maintain clear zones for all team members during the lift. Tool reduces hand contact risk — it does not eliminate dropped-load hazard.
- Follows site manual handling procedures and EHS protocols. Does not supersede site manual handling assessments or LOLER requirements.

COMPLIANCE NOTE

Supports compliance with manual handling regulations and lifting equipment safety standards applicable to the operating jurisdiction.

Manual handling injuries don't happen during the walk to the load. They happen at the moment of contact.

The PSC Lift Assist ensures that the moment of contact is managed by the tool, not the operator's bare hands — on every lift, across every shift.