

Industry-Specific Hand Safety Guides

A PSC Guide Index for Task-Based Hand Exposure Reduction

Engineer the Hand Out of Hazard™ · Measure Exposure Before Injury Happens™ · Where Does the Hand Enter the Hazard?™

OPENING STATEMENT

Hand exposure changes by industry. The way a hand enters a hazard in a rolling mill is different from the way it enters a hazard during mould box handling, offshore deck load landing, gearbox assembly, or conveyor maintenance. These industry guides help HSE, operations, maintenance, and engineering teams identify where hands enter hazards in their own environment — and what type of no-touch, distance, magnetic, fixture, or custom interface may reduce exposure.

CORE DOCTRINE

Engineer the Hand Out of Hazard™

Primary PSC doctrine

Measure Exposure Before Injury Happens™

Proactive assessment

Where Does the Hand Enter the Hazard?™

Task-level mapping

Hand safety cannot stop at PPE.

Control hierarchy

INDUSTRY GUIDE INDEX — SELECT YOUR SECTOR

Steel Plants

Rolling mills, coil handling, plate and section handling, EOT crane bays, shutdown maintenance, hammering, rigging, and final positioning.

Exposure: Pinch · Crush · Cut · Impact · Caught-Between · Line of Fire

Open Steel Plant Guide →

Aluminium Plants

Smelters, casting, billets, rolling mills, coils, extrusion dies, anode/cathode handling, hot material and maintenance tasks.

Aluminium is non-ferrous. Magnetic tools do not apply to aluminium loads unless a ferrous fixture or attachment is involved.

Exposure: Burn · Cut · Pinch · Crush · Caught-Between · Line of Fire

Open Aluminium Plant Guide →

Foundries & Casting Shops

Mould boxes, casting fixtures, EOT crane handling, final positioning, locating pins, lugs, MS channels, fettling and chipping.

Exposure: Pinch · Crush · Caught-Between · Impact · Cut · Burn

Open Foundry Guide →

INDUSTRY GUIDE INDEX – CONTINUED

Oil & Gas / Offshore / Marine

Tubulars, hoses, hammer unions, rigging, offshore baskets, deck loads, shipyard fabrication, confined marine maintenance.

Exposure: Line of Fire · Stored Energy · Impact · Crush · Pinch · Caught-Between

[Open Oil & Gas / Marine Guide →](#)

Wind Gearbox / Heavy Engineering

Gearbox housings, shafts, bearings, heated interference fits, crane-assisted assembly, final alignment, large component positioning.

Exposure: Pinch · Crush · Burn · Caught-Between · Impact · Line of Fire

[Open Wind / Heavy Engineering Guide →](#)

Cement / Mining / Ports / Logistics

Conveyors, chutes, crushers, hoppers, idlers, rollers, heavy maintenance, rigging, loading/unloading, bulk material handling.

Exposure: Crush · Pinch · Caught-Between · Impact · Cut · Line of Fire

[Open Cement / Mining / Ports Guide →](#)

Not sure which guide applies?

If your task involves suspended loads, final positioning, sharp material, hot parts, hoses, tubulars, hammering, stuck components, or hands entering machinery, start with the task rather than the industry.
Send photos or videos to PSC Hand Safety for exposure mapping.

Send Us 5–10 Task Photos or Short Videos.

PSC Hand Safety can help identify whether the task needs:

- A standard no-touch tool
- A magnetic tool where suitable
- A fingersaver / chisel / pin holder
- A fixture or mechanical guide
- A modified tool
- A hose or tubular handling tool
- A custom task interface
- A change in work method

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