

INDUSTRIAL HAND SAFETY TOOLS

Product Catalogue 2026

Find the Hand. Engineer the Hand Out.



Magnetic guidance · Push/pull · Tubular handling · Manual handling
Identify the hand's function. Review the task. Select the right interface.

CONTENTS

DOCTRINE

The Human Hand Is Not a Tool™	3
Find The Hand™ — Four-Step Method	4
Hand Exposure Hierarchy™	5
The Last 300 mm Rule™	6
Tool Selection Methodology	7

LOAD GUIDANCE & PUSH-PULL

RiggerSafe®	9
LoadGrab Push/Pull	10
Cargo Handling Tool	11

MAGNETIC GUIDANCE TOOLS

RiggerLock™ Switch	13
RiggerLock™ Flex · D Handle	14
RiggerLock™ Flex · Without D Handle	15
RiggerLock™ Quick Detach	16
LoadGrab MagHead · T-Handle	17
LoadGrab MagHead · Extendable T-Handle	18
LoadGrab MagHead · D-Handle	19

MAGNETIC HAND LIFTERS

Magnetic Hand Lifter	21
LoadGrab MagHead Lifter · MG003	22
LoadGrab Magnetic Lifter V · MG005	23

DRILLING, PIPE & TUBULAR TOOLS

Drill Pipe Handling Tool	25
TubularGuider™	26
Pipe Grab	27
Rack Back Tool	28
Twist Control Tool	29
Pipe Wipe Tool	30
Pipe Set Back Tool	31
Drill Pipe Connection Guide	32
Drill Pipe / Casing Tool	33

TAGLINES & SUSPENDED-LOAD GUIDANCE

No Swing Tagline	35
Rigger TagLine	36

SLING & RIGGING-HANDLING

SlingGrab	38
-----------	----

MANUAL LIFTING & HANDLING

Hose & Pipe Lifter	40
GasGrab	41

STRIKING SAFETY TOOLS

Punch & Chisel Holder	43
WrenchGrab	44

SPECIALIST & RIG SAFEGUARDS

Rotary Hole Cover (RH-COV)	46
----------------------------	----

TOOL STORAGE & DEPLOYMENT

Storage Station & Starter Kit	48
-------------------------------	----

APPLICATIONS & CONTACT

Applications Overview	49
Request an Application Review	52
About & Contact	53–54

THE HUMAN HAND IS NOT A TOOL™

A hand becomes the de facto tool when no other interface is available. The task of industrial hand safety is to identify that function and engineer a better way to perform it.

The human hand has no rated working load. It has no tested crush resistance. It is not designed for cyclic pinch exposure, closing clearances, or moving load paths. And yet, across every industry, hands enter those exact conditions — because something needs to be guided, aligned, steadied or retrieved, and no other interface exists for that function.

The first step is to identify the function the hand is performing, not simply to observe that a hand is present. A hand that guides a load is performing a spatial positioning function. A hand that steadies a fitting is performing an alignment function. A hand that retrieves a sling is performing a retrieval function. Each of those functions can potentially be

transferred to a purpose-built interface — provided the right question is asked first.

Gloves can reduce some consequences of contact. They do not remove a hand from a pinch point, a closing clearance or a moving load path. PPE is applied after controls are in place, not instead of them.

The products in this catalogue are purpose-built interfaces for identified functions. Each one addresses a specific hand exposure by moving the required function outside the exposure zone. A tool recommendation is conditional on the task, the geometry, the energy and the operating method. Confirm suitability before use.

FIND THE HAND™

A four-step method to observe the task, understand the hand's function, identify the exposure and engineer a response.

01

FIND THE HAND

Observe the complete task. Where does the hand enter, approach or remain in the working area? Review the full sequence, not only the principal motion — include set-up, adjustment, retrieval and completion steps.

02

ASK WHY

Identify the hand's function: guiding, holding, aligning, positioning, steadying, retrieving, pushing, pulling or striking. Understanding why the hand is there determines what interface could replace it.

03

IDENTIFY EXPOSURE

Could something move, shift, drop, close, rotate, release, pinch, crush, cut or strike while the hand is there? Assess proximity, duration, frequency, variability and the energy involved. Measure where practicable.

04

ENGINEER THE HAND OUT

Change the task or move the required function outside the exposure zone through a suitable fixture, process, remote interface or tool. Verify that the change actually moves the hand out — observe the revised task.

A deeper Hand Exposure Audit™ follows six steps: Find · Classify · Energy · Measure · Engineer · Verify. The audit assesses proximity, duration, frequency and variability before and after the engineering change, and observes whether the revised task actually moves the hand out of the exposure zone.

HAND EXPOSURE HIERARCHY™

Five levels of control, applied in order. The most effective controls address the source. PPE addresses residual risk after higher-order controls have been considered.

1

ELIMINATE

Remove the hand-entry event through task redesign. Change what is being done so the function that drew the hand into the exposure zone is no longer required in that form.

2

SUBSTITUTE

Change the process, sequence or energy to reduce exposure. A different method of assembly, sequencing, or material may reduce the frequency or proximity of hand involvement.

3

ENGINEER

Move the required function outside the exposure zone through an interface — a fixture, guard, mechanical aid or purpose-built handling tool. The hand still performs the function, but through a distance interface. HSF tools primarily operate at this level for the specific exposure they address, while the underlying hazard remains.

4

ADMINISTRATE

Control access, conditions, frequency and duration. Procedures, permit systems, supervision and task rotation can reduce exposure when engineering controls are not yet in place. Administrative controls alone do not remove a hand from an exposure zone.

5

PPE

Provide protection for residual hazards after other controls have been considered and applied. Gloves, hand guards and impact-resistant clothing reduce consequence; they do not remove the hand from the exposure path.

THE LAST 300 MM RULE™

As a load reaches its final position, clearances close and movements become precise. Examine that transition. Who controls the movement — and why is the hand re-entering?

"300 mm" names this final positioning phase. It is not a regulatory stand-off distance, a universal safe separation boundary or an established injury statistic. The actual transition zone depends on task geometry, energy and the operation in question.

During final placement, a hand may return to the task to provide fine adjustment, alignment or steadying. The Last 300 mm Rule™ asks: is that return necessary? If so, what is the energy condition at that point? Can the function be completed through an interface that keeps the hand outside the closing clearance?

A guided load arriving at its resting position does not need a hand in the pinch zone to steer it. A tubular being stabbed into a connection does not need a hand at the thread to align it. A load being landed on a support does not need a hand beneath it to check position. In each case the hand function exists and is real — it must be transferred, not simply prohibited.

Examine the final approach, placement and fine corrections. Identify which function draws the hand back. Then determine whether a purpose-built interface can perform that function from outside the zone.

TOOL SELECTION

A catalogue name cannot establish suitability. Tool selection begins with the task — the hand function, the energy, the geometry and the operating method. The four questions below establish the basis for any tool recommendation.

1. TASK & FUNCTION

What is the hand doing? Guiding, positioning, aligning, steadying, retrieving, pushing, pulling or striking? The tool must transfer that function to a distance interface.

2. LOAD & MATERIAL

What is the load? Its weight, geometry, surface condition and material determine which interface is suitable. Magnetic tools require compatible ferromagnetic material; confirm grade, thickness, contact area and surface geometry for the specific model.

3. MOVEMENT & CLEARANCE

How does the load move, and what clearances exist? Confirm operator position and clearance from the full load and energy path throughout the movement. Tool length alone does not establish a safe separation.

4. RELEASE & RECOVERY

How does the tool disengage at the end of the task? A magnetic tool must have a safe and deliberate release method. A push-pull tool must allow the operator to step clear before the load settles.

Application review: Share the task, the hand function and the movement with us. Confirmed specifications, current configurations and selection guidance are provided during application review. Contact info@handsafetyfirst.com or +91 73861 10618.

LOAD GUIDANCE & PUSH-PULL

Push-pull tools place a rigid or semi-rigid distance interface between the operator's hands and a suspended or moving load. They transfer the guiding and positioning function out of the hand-contact zone without requiring the hand to touch the load.

These tools address the guiding and positioning function. The lifting system — crane, hoist or other approved equipment — supports the load. Push-pull tools are not rated as lifting devices. Confirm contact geometry, direction of force and reach for the specific task.

PRODUCTS IN THIS SECTION

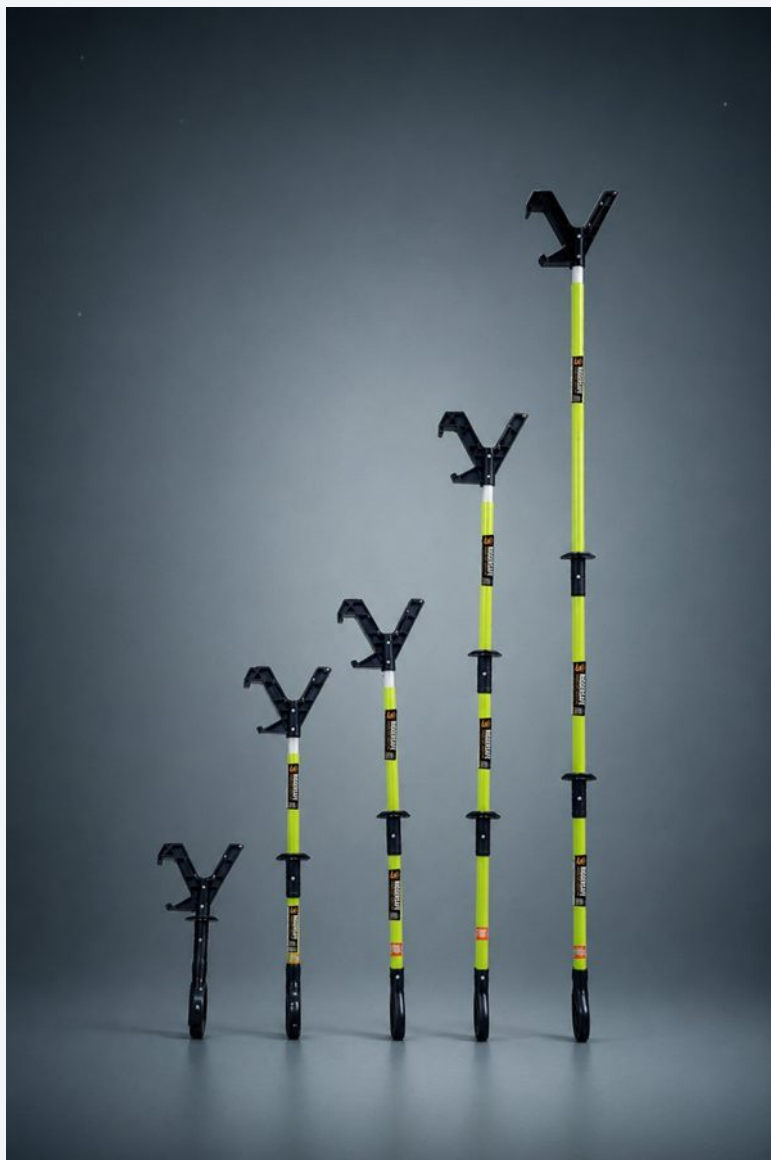
RiggerSafe®

LoadGrab Push/Pull

Cargo Handling Tool

RIGGERSAFE®

Rigid distance interface for guiding and positioning a suspended load



TASK

Guide, position and steer a suspended load during crane or hoist operations — keeping the operator at a working distance from the moving load.

HAND EXPOSURE ADDRESSED

Direct hand contact with a suspended or swinging load; crush and pinch exposure during final placement and landing.

CONFIGURATIONS

Available in multiple lengths. Configurations confirmed during application review.

SELECTION CONSIDERATIONS

Reach, contact point geometry and direction of applied force must be assessed for each application. The lifting system supports the load at all times.

APPLICATION GUIDANCE

Review the load's contact geometry and the direction of force required during guidance. Confirm operator position, clearance from the load path, and the landing sequence. The lifting system — not the tool — supports the load.

LOADGRAB PUSH/PULL

Push, pull and reposition loads without direct hand contact



TASK

Push, pull and reposition a load or material during handling operations, providing a distance interface between the hand and the contact point.

HAND EXPOSURE ADDRESSED

Hand contact with a moving or settling load; pinch and crush exposure during positioning and final placement.

CONFIGURATIONS

Configurations confirmed during application review.

SELECTION CONSIDERATIONS

Confirm a stable contact point on the load and a controlled, predictable direction of applied force. Do not treat a push-pull guidance tool as lifting equipment.

APPLICATION GUIDANCE

Confirm a stable contact point and that the force applied can be controlled throughout the movement. Never treat a push-pull tool as lifting equipment. Review operator position relative to the load path and the recovery step at the end of the task.

CARGO HANDLING TOOL

Distance interface for cargo positioning and handling



TASK

Provide an interface for repositioning cargo during load-handling operations, keeping hands clear of the load and its contact surfaces.

HAND EXPOSURE ADDRESSED

Direct hand contact with cargo during positioning; pinch exposure between cargo and adjacent surfaces during landing.

CONFIGURATIONS

Configurations confirmed during application review.

SELECTION CONSIDERATIONS

Review cargo shape, surface and the direction and scale of movement required. Confirm operator position and escape route before the load settles.

APPLICATION GUIDANCE

Share cargo shape, surface condition and required movement before selecting a handling interface. Confirm operator position relative to the load path, clearances and the planned landing sequence.

MAGNETIC GUIDANCE TOOLS

Magnetic guidance tools transfer the guiding and positioning function to a magnetic contact interface on a suitable ferrous steel surface. The operator holds the tool handle; the magnet makes contact with the load. The operator's hand does not touch the load.

Magnetic guidance tools are not lifting devices and carry no overhead lifting rating. Select by material, surface condition, geometry, load movement and the release method — not by published magnetic force alone. Confirm current model ratings and permitted use during application review. Magnetic pull force and working load limit are distinct figures; confirm which applies to the reviewed application.

PRODUCTS IN THIS SECTION

RiggerLock™ Switch

RiggerLock™ Flex · D Handle

RiggerLock™ Flex · Without D Handle

RiggerLock™ Quick Detach

LoadGrab MagHead · T-Handle

LoadGrab MagHead · Extendable T-Handle

LoadGrab MagHead · D-Handle

RIGGERLOCK™ SWITCH

Switchable magnetic contact for steel guidance and positioning



TASK

Guide and position ferrous steel loads and structures using a switchable magnetic contact interface. The switch engages and releases the magnet without the operator's hand touching the steel surface.

HAND EXPOSURE ADDRESSED

Direct hand contact with a steel load or structural member during guiding, aligning or positioning; pinch and crush exposure between the load and adjacent surfaces.

CONFIGURATIONS

Switch on/off engagement. Specific configurations confirmed during application review.

SELECTION CONSIDERATIONS

Contact surface must be clean, flat ferrous steel within the confirmed compatibility range. Confirm engagement control and release sequence before task. Not rated for overhead suspension of the load.

APPLICATION GUIDANCE

Confirm the contact surface is clean, flat ferrous steel within the confirmed compatibility range. Review the engagement control method, the load movement and the release sequence. The lifting system supports suspended loads; the tool provides the guiding interface.

RIGGERLOCK™ FLEX · D HANDLE

Articulated magnetic guidance with a D-handle grip



TASK

Guide and position compatible ferrous steel loads using an articulating magnetic head and D-handle grip. Confirm the contact geometry and operating method for the specific task.

HAND EXPOSURE ADDRESSED

Direct hand contact with steel during guidance and positioning; pinch and crush exposure near adjacent surfaces.

CONFIGURATIONS

Articulating magnetic head; D-handle grip. Specific ranges and configurations confirmed during application review.

SELECTION CONSIDERATIONS

Assess head articulation range relative to the contact surface angle. Review the complete movement, reach and release sequence. Confirm stable contact is maintained across the full guidance path.

APPLICATION GUIDANCE

Review head articulation relative to the contact surface, direction of applied force and reach required. Confirm stable contact across the complete guidance movement. Confirm the release sequence before task commencement.

RIGGERLOCK™ FLEX · WITHOUT D HANDLE

Articulated magnetic guidance with a streamlined handle arrangement



TASK

Guide and position ferrous steel loads using a flexible magnetic head, in a handle configuration suited to confined access or alternative grip preferences.

HAND EXPOSURE ADDRESSED

Direct hand contact with a steel load during guidance in applications where a D-handle grip profile is not preferred or does not suit the access geometry.

CONFIGURATIONS

Articulating magnetic head; alternative handle configuration. Specific configurations confirmed during application review.

SELECTION CONSIDERATIONS

Select grip and reach for the task. Review clearance, contact stability and operator position before commencing. Confirm articulation range and release method.

APPLICATION GUIDANCE

Select for tasks where the access geometry or grip preference suits this handle configuration. Review clearance, contact stability across the guidance path, and the operator's position relative to the load throughout the movement.

RIGGERLOCK™ QUICK DETACH

Magnetic guidance with quick release from the steel contact surface



TASK

Guide and position compatible steel components using a magnetic interface with quick release from the steel contact surface.

HAND EXPOSURE ADDRESSED

Direct hand contact with a steel load or structure during guidance; specific exposure addressed where conventional release methods are impractical.

CONFIGURATIONS

Quick-release magnetic contact. Current mechanism, reach and configurations confirmed during application review.

SELECTION CONSIDERATIONS

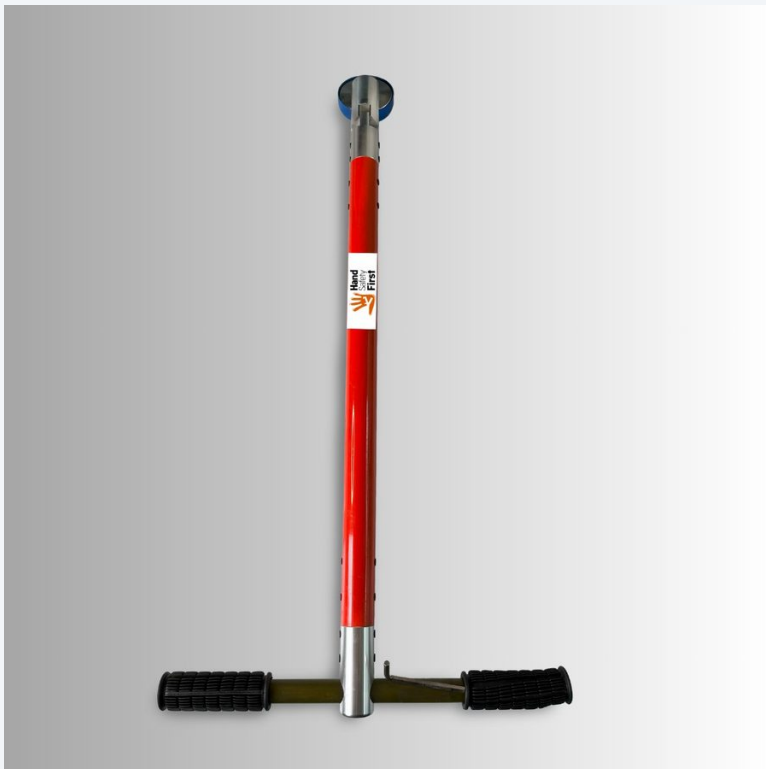
Review steel surface condition, access, load movement and the release sequence. Confirm the current model operating instructions before use.

APPLICATION GUIDANCE

Confirm compatible steel, contact geometry, required reach and the quick-release procedure. Review operator position and the complete guidance movement. The lifting system supports the load; this tool provides guidance.

LOADGRAB MAGHEAD · T-HANDLE

T-handle magnetic push/pull interface for guiding ferrous loads



TASK

Guide and position ferrous steel loads using a magnetic contact head on a T-handle push-pull tool. The T-handle provides a two-hand grip for controlled directional force.

HAND EXPOSURE ADDRESSED

Direct hand contact with a steel load during push, pull and positioning operations; hand contact with the load surface during approach and alignment.

CONFIGURATIONS

T-handle grip with magnetic contact head. Fixed length. Specific configurations confirmed during application review.

SELECTION CONSIDERATIONS

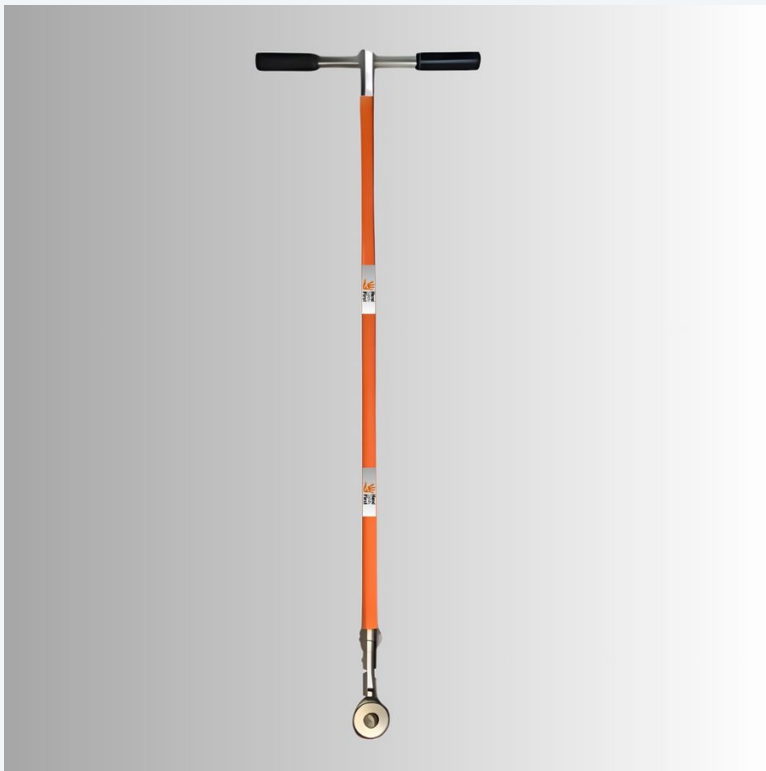
Confirm surface compatibility and that the magnetic contact is appropriate for the load geometry. Magnetic guidance tools are not rated for lifting. Confirm the release method before task commencement.

APPLICATION GUIDANCE

Confirm the steel surface condition, geometry and that magnetic contact is sufficient for the required guidance force. Confirm the release method before use. Magnetic guidance does not establish a lifting rating — the lifting system supports suspended loads.

LOADGRAB MAGHEAD · EXTENDABLE T-HANDLE

Adjustable-reach magnetic interface for guiding ferrous loads



TASK

Extend reach to a ferrous steel load during guidance operations, maintaining the operator at a greater distance from the load than a fixed-length tool allows.

HAND EXPOSURE ADDRESSED

Direct hand contact with a steel load during guidance at reach distances beyond a fixed-length tool; situations where the operator must guide a load from a greater standing-off distance.

CONFIGURATIONS

T-handle with adjustable extension and magnetic contact head. Extension range and locking confirmed during application review.

SELECTION CONSIDERATIONS

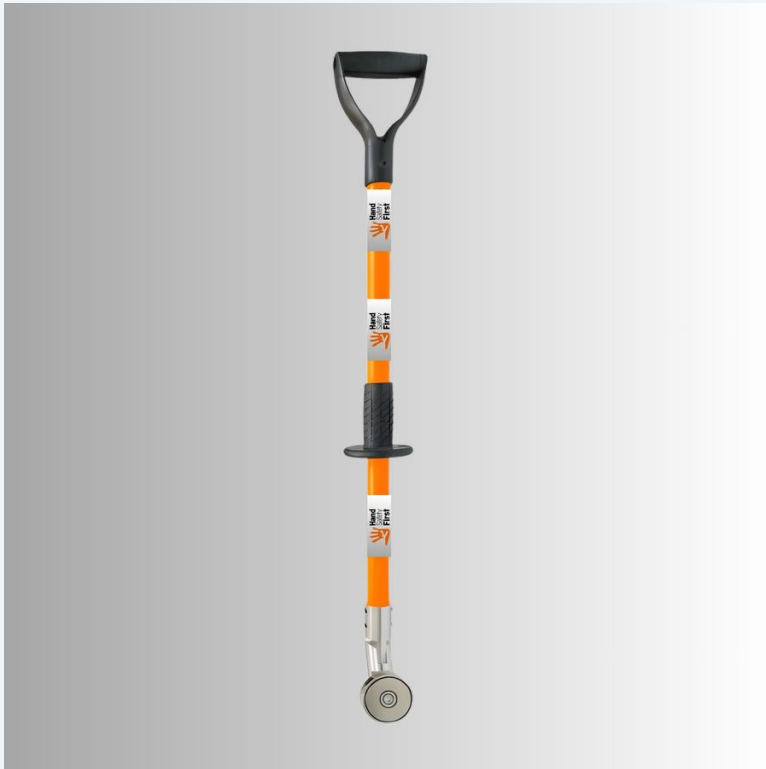
Confirm extension setting, locking mechanism security and balance before task. Review the guidance force required at the extended reach position. Confirm release method.

APPLICATION GUIDANCE

Confirm the extension setting and locking before task commencement. Assess balance and control at the extended reach. Confirm the magnetic contact is sufficient for the required guidance force and that the release method is planned.

LOADGRAB MAGHEAD · D-HANDLE

D-handle magnetic push/pull interface for ferrous load positioning



TASK

Guide and position ferrous steel loads using a D-handle grip with a magnetic contact head. The D-handle suits tasks where rotational force or an ergonomic loop grip is preferred.

HAND EXPOSURE ADDRESSED

Direct hand contact with a steel load during push, pull and positioning operations where a T-handle grip profile is not suited to the task geometry.

CONFIGURATIONS

D-handle grip with magnetic contact head. Specific configurations confirmed during application review.

SELECTION CONSIDERATIONS

Review steel surface condition, movement, handle position relative to the operator, and the release method. Confirm the magnetic contact is appropriate for the load geometry and required force.

APPLICATION GUIDANCE

Review steel surface condition, required movement, handle ergonomics and operator position throughout the guidance task. Confirm the release method. The lifting system supports suspended loads.

MAGNETIC HAND LIFTERS

Magnetic hand lifters provide a switch-operated or lock-operated grip for handling suitable ferrous steel sheets, plates and components. They transfer the gripping function to a magnetic interface, keeping hands clear of the component's edges and contact surfaces during manual handling.

Magnetic hand lifters are manual handling aids for suitable ferrous components — not overhead lifting devices. Permitted use, load limits and suitability for specific applications must be confirmed for the reviewed model. Magnetic pull force and working load limit are distinct figures. A lifter's published magnetic pull force under ideal conditions does not represent a working load limit. Confirm material, surface condition, thickness and load weight against the current model specification before use.

PRODUCTS IN THIS SECTION

Magnetic Hand Lifter

LoadGrab MagHead Lifter · MG003

LoadGrab Magnetic Lifter V · MG005

MAGNETIC HAND LIFTER

Switch-operated hand grip for handling suitable ferrous sheets and components



TASK

Provide a magnetic grip for manually handling ferrous steel sheets, plates and components during fabrication, assembly and handling operations.

HAND EXPOSURE ADDRESSED

Contact of the hand with the edges, burrs and surfaces of flat ferrous steel components during manual handling; cut and abrasion exposure from sheet metal edges.

CONFIGURATIONS

Switch-operated engagement. Specific load ratings and configurations confirmed during application review.

SELECTION CONSIDERATIONS

Confirm the component material is ferrous steel within the confirmed thickness and surface range. Confirm the load weight against the current model's permitted manual handling limit. For reviewed manual handling tasks; no crane or hoist lifting rating is established here.

APPLICATION GUIDANCE

Confirm material, surface condition, component thickness and load weight against current model specifications. Confirm the permitted manual-handling limit before the task. Magnetic pull force does not establish a crane or hoist lifting rating.

LOADGRAB MAGHEAD LIFTER · MG003

Magnetic material-handling grip with a locking interface



TASK

Handle ferrous steel materials using a locking magnetic grip that secures engagement and provides a deliberate release mechanism.

HAND EXPOSURE ADDRESSED

Direct hand contact with steel edges, surfaces and components during manual handling. Confirm locking engagement and deliberate release before the task.

CONFIGURATIONS

Locking magnetic grip. Model designation MG003. Confirm the current part number, head articulation and configuration during quotation.

SELECTION CONSIDERATIONS

Review the contact surface, locking engagement sequence and release method for the task. Confirm material, thickness and load weight against current model specifications. Magnetic pull force is not a working load limit.

APPLICATION GUIDANCE

Confirm the locking engagement and release procedure with all operators before use. Review the contact surface condition, load weight and the handling movement. Confirm current model ratings and approved applications during quotation. Magnetic pull force is not a working load limit — confirm the working load limit for the reviewed application.

LOADGRAB MAGNETIC LIFTER V · MG005

Switch-magnet hand tool for handling suitable ferrous components



TASK

Handle suitable ferrous steel sheets, plates and components using a switch-operated magnetic grip. The switch engages and releases the magnet for controlled pick-and-place handling.

HAND EXPOSURE ADDRESSED

Hand contact with ferrous steel surfaces, edges and component faces during handling operations where a switch-operated grip is preferred.

CONFIGURATIONS

Switch-magnet engagement. Suitable for flat ferrous sheet and component applications within confirmed compatibility range. Specifications confirmed during application review.

SELECTION CONSIDERATIONS

Confirm engagement, surface condition, material thickness and load limits before each task. Plan the placement position and release sequence. No crane or hoist lifting rating is established by this catalogue.

APPLICATION GUIDANCE

Confirm engagement, surface condition, material compatibility, thickness range and load limits. Plan the component placement position and release sequence. Use within confirmed manual-handling limits. Do not infer a crane or hoist lifting rating.

DRILLING, PIPE & TUBULAR TOOLS

Drill floor and tubular handling exposes hands to a combination of suspended load pinch, rotating equipment contact, high-pressure fluid splash, and make/break connection proximity. These tools transfer the guiding, aligning and wiping functions to distance interfaces — keeping hands away from the pipe body, connections and rotating equipment.

Tool selection requires review of pipe geometry, the specific operation, crew positions, and the spatial constraints of the drill floor or racking area. Confirm tool-to-pipe compatibility, operating method and the release sequence for each application. These tools address specific hand exposures — they do not address all hazards present in tubular handling operations.

PRODUCTS IN THIS SECTION

Drill Pipe Handling Tool

TubularGuider™

Pipe Grab

Rack Back Tool

Twist Control Tool

Pipe Wipe Tool

Pipe Set Back Tool

Drill Pipe Connection Guide

Drill Pipe / Casing Tool

DRILL PIPE HANDLING TOOL

Distance interface for guiding drill pipe during handling operations



TASK

Guide and manoeuvre drill pipe during tripping, racking and positioning operations, keeping the operator's hands away from the pipe body and adjacent equipment.

HAND EXPOSURE ADDRESSED

Direct hand contact with the pipe body during guidance; pinch and crush exposure between the pipe and adjacent equipment, the drill floor and the rotary table area.

CONFIGURATIONS

Configurations confirmed during application review.

SELECTION CONSIDERATIONS

Review pipe geometry, required movement and the operator's position relative to the pipe body and other equipment. Confirm the tool is appropriate for the pipe diameter range.

APPLICATION GUIDANCE

Review pipe geometry, the required movement and operator position. Confirm tool compatibility with the pipe diameter range. Review pinch points between the pipe and adjacent equipment throughout the handling movement.

TUBULARGUIDER™

Guide and position suspended tubulars at a distance



TASK

Guide and position compatible suspended tubulars during reviewed handling, landing and alignment tasks. The lifting system supports the tubular.

HAND EXPOSURE ADDRESSED

Hand contact with suspended tubulars during guidance; pinch and crush exposure between the tubular and the rotary table, racking fingers, guide rails or other equipment.

CONFIGURATIONS

Tubular compatibility, reach and release mechanism confirmed for the current model during application review.

SELECTION CONSIDERATIONS

Review contact profile compatibility with tubular diameter, task forces, required clearances and the release sequence. The lifting system supports the suspended tubular.

APPLICATION GUIDANCE

Review the tubular diameter and confirm tool compatibility. Assess task forces, clearances and the planned release sequence. The handling system supports the suspended tubular — this tool provides the guiding interface.

PIPE GRAB

Grip and guide pipe through a distance handling interface



TASK

Grip and guide pipe during handling, positioning and transportation operations, keeping the hand away from the pipe surface and the associated pinch and crush points.

HAND EXPOSURE ADDRESSED

Direct hand contact with the pipe body during grip and guidance; abrasion and crush exposure where the pipe contacts adjacent surfaces or equipment.

CONFIGURATIONS

Configurations confirmed during application review.

SELECTION CONSIDERATIONS

Confirm pipe size, surface condition and the task method before selecting. Review the grip engagement and release sequence for the specific handling movement.

APPLICATION GUIDANCE

Confirm pipe size, surface condition and the full handling method before selecting. Review the grip engagement, direction of applied force and the release sequence at the end of the task.

RACK BACK TOOL

Distance interface for guiding pipe during rack-back positioning on the drill floor



TASK

Guide and position pipe stands during rack-back operations, keeping hands away from the pipe body, racking fingers and the adjacent pipe stands.

HAND EXPOSURE ADDRESSED

Direct hand contact with the pipe body during rack-back; pinch and crush exposure between pipe stands and racking fingers; finger entrapment between adjacent tubulars.

CONFIGURATIONS

Configurations confirmed during application review.

SELECTION CONSIDERATIONS

Review racking geometry, the pipe movement direction, pinch points between the pipe and racking fingers, and the operator clearance throughout the movement.



APPLICATION GUIDANCE

Review racking geometry, pipe movement, pinch points between adjacent tubulars and racking fingers, and the operator's clearance throughout the rack-back sequence. Confirm crew communication and the planned completion of the rack-back before releasing the tool.

TWIST CONTROL TOOL

Distance interface for tubular positioning and controlled manual orientation



TASK

Provide a handling interface for positioning and controlled manual orientation of compatible tubulars, keeping hands away from the pipe contact point.

HAND EXPOSURE ADDRESSED

Direct hand contact during tubular positioning; pinch and crush exposure between the tubular and adjacent equipment.

CONFIGURATIONS

Configurations confirmed during application review.

SELECTION CONSIDERATIONS

Confirm tubular geometry, holder fit, task forces and the current operating instructions. Review operator position and release. Powered-rotation or live-torque use is not established by this catalogue.

APPLICATION GUIDANCE

Confirm holder fit, pipe geometry, planned movement and the current model operating method. Review contact, release and operator clearance throughout the task. Do not infer suitability for powered rotation or live torque from the product name.

PIPE WIPE TOOL

Distance interface for removing fluid residues from drill pipe and tool joints



TASK

Wipe and clean the surface of drill pipe and tool joints without the operator's hands touching the pipe, fluid or rotating components.

HAND EXPOSURE ADDRESSED

Hand contact with the pipe surface, tool joint threads and drilling fluid during wipe-down operations; splash and skin exposure to drilling fluid; entanglement near rotating equipment.

CONFIGURATIONS

Configurations confirmed during application review.

SELECTION CONSIDERATIONS

Review pipe movement, drilling fluid compatibility with materials used, splash exposure and the approved cleaning sequence. Establish an exclusion zone from rotating equipment and confirm it is observed throughout the wiping task.

APPLICATION GUIDANCE

Review pipe movement, fluid compatibility, splash exposure direction and the approved cleaning sequence. Establish clearance from rotating equipment. Confirm the complete wipe-down method with all personnel before commencing.

PIPE SET BACK TOOL

Guide pipe stands during positioning in the setback area



TASK

Guide and position pipe stands during the set-back operation, keeping hands away from the lower end of the stand and the setback deck as the pipe lands.

HAND EXPOSURE ADDRESSED

Direct hand contact with the pipe body and lower tool joint during set-back; crush and pinch exposure between the pipe stand and the setback deck, adjacent pipe and racking equipment.

CONFIGURATIONS

Configurations confirmed during application review.

SELECTION CONSIDERATIONS

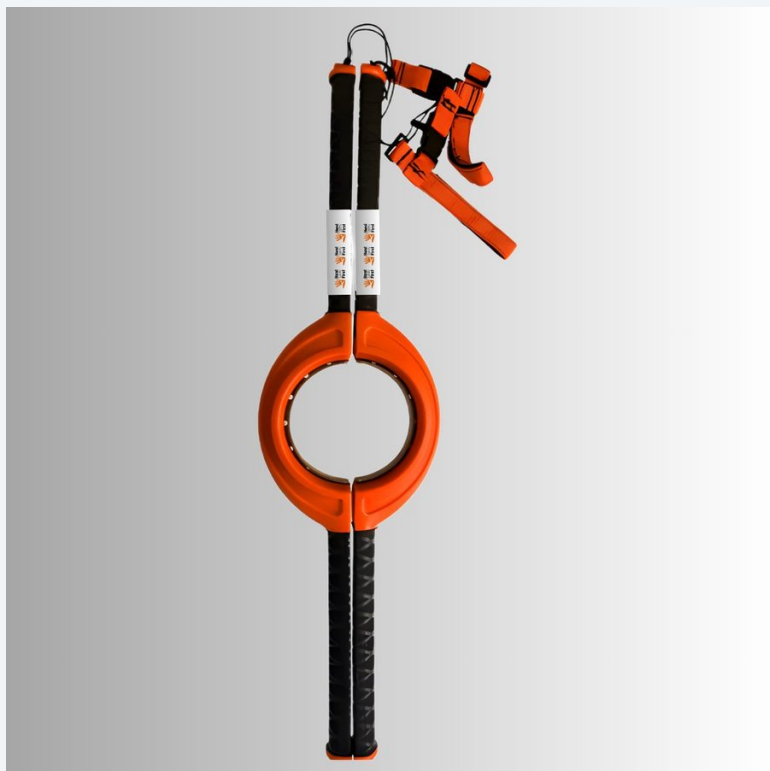
Review contact geometry, landing zone, pipe movement and crew communication. The handling system supports the pipe. Confirm the tool is not used to redirect or arrest a moving stand not under controlled suspension.

APPLICATION GUIDANCE

Review contact geometry, the landing zone, pipe movement direction and crew communication. The handling system supports the pipe during set-back — this tool provides the guiding interface for the lower end of the stand. Confirm the approved set-back sequence before use.

DRILL PIPE CONNECTION GUIDE

Alignment interface for drill-pipe stabbing and connection operations



TASK

Guide the pin end of a drill pipe into the box during stabbing operations, keeping the operator's hands clear of the thread face and the stabbing zone.

HAND EXPOSURE ADDRESSED

Hand contact with the thread face, pin end and connection zone during stabbing; crush and pinch exposure between the stabbing pipe and the string; high-pressure thread damage risk.

CONFIGURATIONS

Configurations confirmed during application review. Compatibility with pipe size reviewed during application review.

SELECTION CONSIDERATIONS

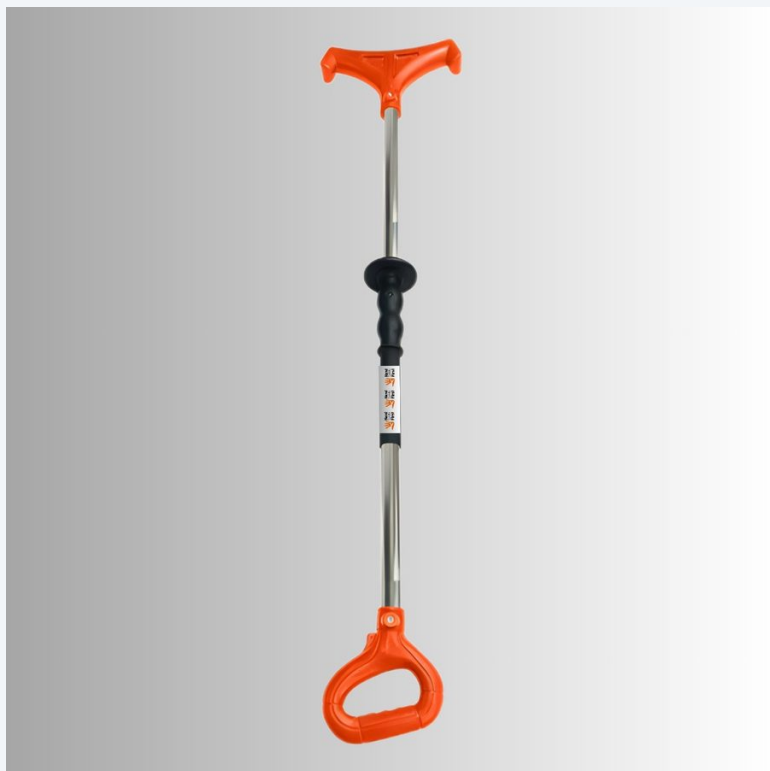
Confirm pipe and connection geometry, crew roles and the complete stabbing sequence before use. Review installation and removal of the guide as well as the alignment step.

APPLICATION GUIDANCE

Confirm pipe and connection geometry, crew roles and the complete stabbing sequence. Review the installation and removal of the guide during the operation — both steps carry hand exposure that must be assessed, not only the alignment step itself.

DRILL PIPE / CASING TOOL

Push interface for guiding and positioning drill pipe or casing



TASK

Push and guide drill pipe or casing during positioning and handling operations, keeping the hand away from the pipe body and the contact zone.

HAND EXPOSURE ADDRESSED

Direct hand contact with the pipe body during pushing and guiding operations; pinch exposure between the pipe and adjacent structures during the final approach to position.

CONFIGURATIONS

Suitable for drill pipe and casing applications within confirmed diameter range. Configurations confirmed during application review.

SELECTION CONSIDERATIONS

Use for the reviewed pushing task. Do not assume pull or overhead lifting capability. Confirm head fit, pipe movement direction and operator clearance throughout the task.

APPLICATION GUIDANCE

Use only for the pushing application reviewed and confirmed. Do not assume pull or lifting capability. Confirm head fit against the pipe geometry, the direction of applied force and the operator clearance at all points in the movement.

TAGLINES & SUSPENDED-LOAD GUIDANCE

Taglines and suspension guidance tools allow an operator to guide, steady or control a suspended load from a distance without direct hand contact with the load body. They address the hand exposure that occurs when a hand is used to stop swing, control rotation or steer a load during the lift.

Tagline use requires task-specific review of attachment method, travel path, snagging hazards, entanglement risk and planned operator position throughout the lift. Confirm length, configuration and attachment for each application. Keep clear of bights, running lines and the load path at all times. These tools guide suspended loads — they are not part of the lifting system.

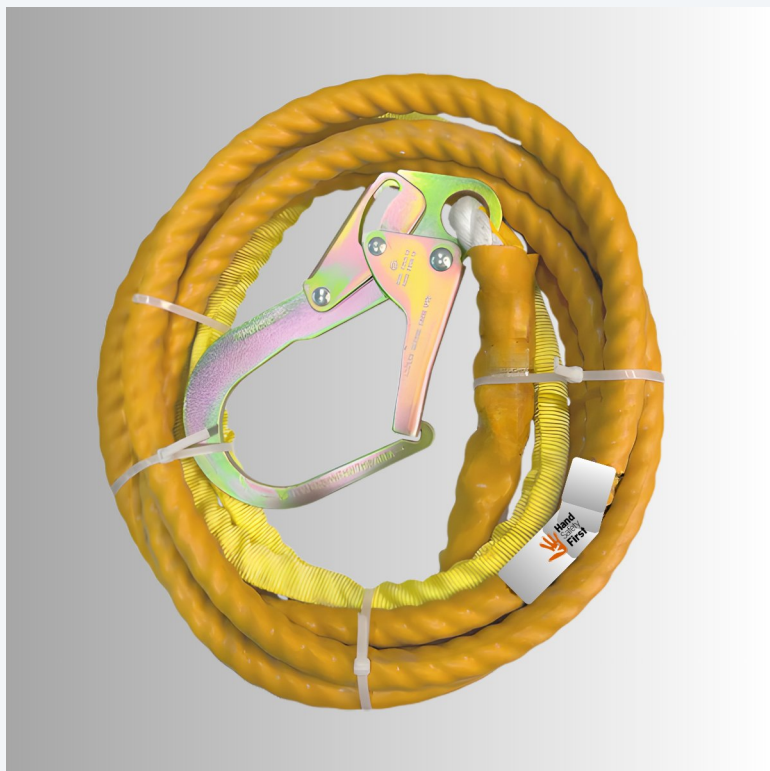
PRODUCTS IN THIS SECTION

No Swing Tagline

Rigger TagLine

NO SWING TAGLINE

Distance interface for guiding and steadying a suspended load



TASK

Control the movement and swing of a suspended load during a crane or hoist lift, keeping the operator at a working distance from the load body.

HAND EXPOSURE ADDRESSED

Direct hand contact with a suspended or swinging load used to arrest swing or control rotation; hand contact with the load during final positioning and landing.

CONFIGURATIONS

Configurations, lengths and attachment methods confirmed during application review.

SELECTION CONSIDERATIONS

Review attachment point, travel path, snagging hazards, entanglement risk and the planned operator position throughout the lift cycle. Confirm line management at the point of landing.

APPLICATION GUIDANCE

Plan attachment, travel path and operator position for the full lift cycle. Review snagging and entanglement hazards. Keep clear of bights and the load path. Confirm line management at the point of landing and load release.

RIGGER TAGLINE

Tagline-based guidance interface for lifting operations



TASK

Guide a suspended load during rigging and lifting operations using a tagline interface, allowing the rigger to control load direction and rotation from a standing-off position.

HAND EXPOSURE ADDRESSED

Direct hand contact with a suspended load used to steer or steady the lift; entanglement and hand injury from uncontrolled swing at the end of a lift.

CONFIGURATIONS

Length and attachment configurations confirmed during application review.

SELECTION CONSIDERATIONS

Select length and attachment arrangement for the task. Review snagging, entanglement and escape routes. Confirm the rigger's position relative to the load path and the load's direction of travel at each phase of the lift.

APPLICATION GUIDANCE

Select length and attachment for the task. Review snagging, entanglement and planned escape routes throughout the lift. Confirm rigger position relative to the load path and the direction of travel at all phases of the lift.

SLING & RIGGING-HANDLING

Sling and rigging-handling tools address the hand exposure that occurs when a rigger must reach under a load, retrieve a sling from a tight space, or handle rigging hardware while the load is adjacent. They provide a distance interface for the retrieval and handling function.

These tools assist with the sling access and retrieval function only. The lifting system, rigging configuration and load calculation remain the responsibility of the lifting plan and the competent rigger. Use only within the approved lifting and rigging sequence. Confirm sling access, movement and the planned retrieval method for each lift.

PRODUCTS IN THIS SECTION

SlingGrab

SLINGGRAB

Distance interface for reaching and handling a rigging sling



TASK

Reach under a load or into a confined access point to hook, reposition or retrieve a rigging sling, keeping the hand out of the under-load zone.

HAND EXPOSURE ADDRESSED

Hand contact in the space between a load and its support during sling retrieval; crush and trap exposure beneath a settled load or between the load and adjacent surfaces.

CONFIGURATIONS

Configurations confirmed during application review.

SELECTION CONSIDERATIONS

Review sling access geometry and the planned sling movement. Use within the approved lifting sequence. Confirm the load condition and the sequence of load movement before reaching into the under-load zone.

APPLICATION GUIDANCE

Review sling access geometry and the planned sling movement. Use within the approved lifting and rigging sequence. Confirm the load condition, the stability of the load on its support, and the complete retrieval sequence before the tool enters the under-load zone.

MANUAL LIFTING & HANDLING

Manual handling tools provide ergonomic grip interfaces for moving cylinders, hoses, pipes and other industrial materials where a bare-hand grip creates exposure to edges, heat, chemical contact or awkward posture. They transfer the gripping function to a purpose-built handle or clamp interface.

Manual handling tools reduce some hand exposures during the grip and carry phase. They do not address all hazards in a handling task — review the complete movement, including pick-up, travel and set-down, as well as the isolation and contents status of any pressurised, hot or chemically contaminated component. Confirm weight, dimensions and task method before selection.

PRODUCTS IN THIS SECTION

Hose & Pipe Lifter

GasGrab

HOSE & PIPE LIFTER

Grip interface for lifting and repositioning hoses and pipes



TASK

Provide a grip interface for manually lifting and positioning hoses and pipes, keeping the hand away from the hose surface, fittings and contents.

HAND EXPOSURE ADDRESSED

Hand contact with hose and pipe surfaces during manual handling; skin contact with residual fluids; abrasion from hose texture or fittings; awkward grip posture during heavy hose handling.

CONFIGURATIONS

Configurations confirmed during application review.

SELECTION CONSIDERATIONS

Confirm hose or pipe diameter, fluid contents, isolation status and estimated handling weight before selection. Review the complete handling movement, including pick-up, travel and set-down.

APPLICATION GUIDANCE

Confirm hose or pipe diameter, contents, isolation status, handling weight and the complete movement before selecting. Review the pick-up, travel and set-down steps. Do not use on pressurised or non-isolated lines without confirming appropriate procedure.

GASGRAB

Handling grip for moving industrial gas cylinders



TASK

Provide an ergonomic grip interface for moving and repositioning industrial gas cylinders during handling and transportation operations.

HAND EXPOSURE ADDRESSED

Awkward grip posture and hand contact with the cylinder body during manual movement; hand injury from valve damage if the cylinder falls; skin contact with cold or frosted cylinders.

CONFIGURATIONS

Designed for gas cylinder bodies. Specific diameter and body configuration confirmed during application review.

SELECTION CONSIDERATIONS

Confirm cylinder geometry, body condition and handling procedure before selection. Apply to the cylinder body only — not to valves, regulators or fittings. Confirm weight is within manual handling limits.

APPLICATION GUIDANCE

Confirm cylinder geometry, body condition and the approved handling procedure before use. Apply only to the cylinder body — not to valves, regulators or fittings. Confirm weight is within approved manual handling limits and that the cylinder valve protection cap is in place during movement.

STRIKING SAFETY TOOLS

Striking tools — punches, chisels, hammers and wrenches — create hand exposure through miss-hits, ricochet and the proximity of the striking implement to the hand that holds the work piece. Striking safety tools provide a distance interface between the hand and the strike point.

These tools address the hand-holding exposure at the strike point. They do not address all hazards in a striking task — review the complete task including eye and face exposure, ricochet trajectory, workpiece stability and the approved striking method. Confirm holder fit and approved operation before use. These tools are not a substitute for proper striking technique.

PRODUCTS IN THIS SECTION

Punch & Chisel Holder

WrenchGrab

PUNCH & CHISEL HOLDER

Holder interface that keeps the hand away from the punch or chisel head



TASK

Hold and position a punch or chisel during striking operations, keeping the operator's hand away from the top of the punch and the strike zone.

HAND EXPOSURE ADDRESSED

Direct hand contact with the head of a punch or chisel during a striking operation; miss-hit impact to the hand or wrist; vibration exposure during repeated striking.

CONFIGURATIONS

Suitable for standard punch and chisel formats within confirmed size range. Configurations confirmed during application review.

SELECTION CONSIDERATIONS

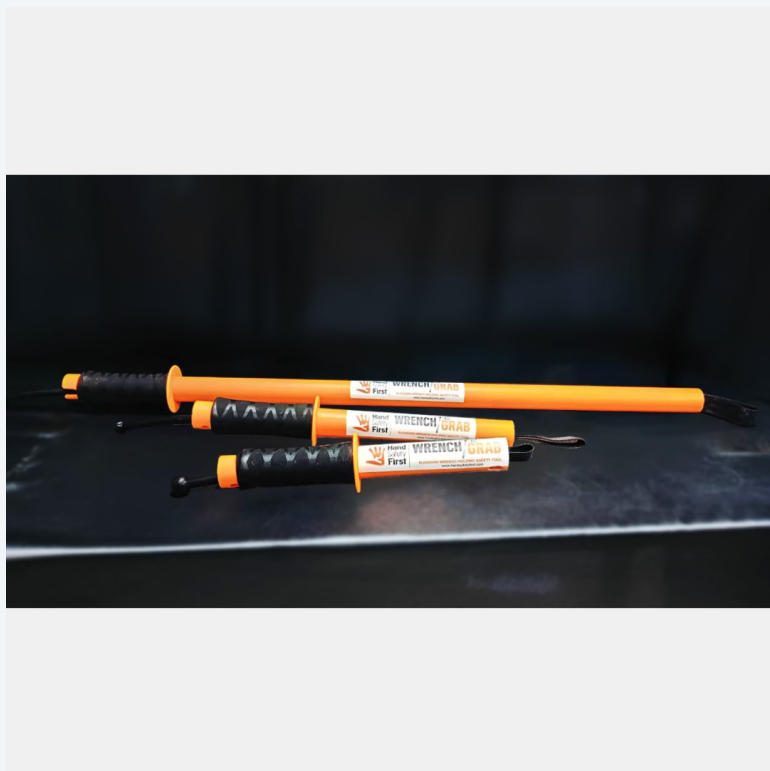
Review holder fit against the punch or chisel being used, the direction of the strike, and the complete striking task. Confirm the workpiece is stable. Review exposure to ricochet, vibration and eye and face hazards — these remain after the hand-holding exposure is addressed.

APPLICATION GUIDANCE

Review holder fit, strike direction and the complete striking task before use. Confirm the workpiece is stable and that the approved striking method is being used. Assess residual exposure: ricochet trajectory, eye and face exposure, vibration and material fragmentation remain after the hand-holding exposure is addressed.

WRENCHGRAB

Holding interface for a wrench during applicable tasks



TASK

Provide a distance interface for holding a wrench during operations where direct hand contact with the wrench creates exposure during the applied-force or impact step.

HAND EXPOSURE ADDRESSED

Hand contact with a wrench during tasks where slippage, unexpected movement or tool release creates a strike or pinch hazard to the holding hand.

CONFIGURATIONS

Confirmed for specific wrench types and task methods during application review.

SELECTION CONSIDERATIONS

Confirm tool fit and the approved operation before selecting. Review the wrench type, task geometry and the complete applied-force method.

APPLICATION GUIDANCE

Confirm tool fit against the wrench type being used and the approved operation before selecting. Review the task geometry, applied force direction and the complete operating method. Confirm the suitability of this interface for the specific task before use.

SPECIALIST PRODUCTS

Specialist products address tasks beyond load guidance, including dropped-object interception around a tubular at the rotary-table opening.

The Rotary Hole Cover is a flexible dropped-object barrier, serving a different function from hand-guidance tools. Confirm opening and tubular dimensions, fastening, installation and removal instructions for the current model.

PRODUCTS IN THIS SECTION

Rotary Hole Cover (RH-COV)

ROTARY HOLE COVER

RH-COV — Flexible dropped-object barrier around a tubular



TASK

Fit a flexible cover around a tubular at the rotary-table opening to help prevent tools and small objects entering the wellbore.

HAZARD ADDRESSED

Tools and small objects falling through the rotary-table opening. Review hand exposure separately during cover installation and removal.

CONFIGURATIONS

Flexible tarpaulin cover with a collar and fastening arrangement. Confirm current opening and tubular dimensions during application review.

SELECTION CONSIDERATIONS

Confirm the opening, tubular fit, fastening and approved deployment sequence. This flexible dropped-object barrier is not presented as a load-bearing cover or a person fall-protection device.

APPLICATION GUIDANCE

Confirm opening and tubular dimensions, fastening and the current installation/removal instructions. Review hand exposure during deployment. Select this cover for dropped-object interception; do not infer a load-bearing or person fall-protection rating.

TOOL STORAGE & DEPLOYMENT

Tool storage and deployment solutions organise task-selected handling tools at the point of use. A tool that is not accessible is a tool that will not be used. Storage solutions are configured around the assessed applications for the work area.

Storage station contents are determined by the assessed tasks for the deployment location. Confirm mounting arrangements, access, inspection schedule and storage configuration during quotation. Kit contents are agreed for each deployment rather than supplied as a standard fixed set.

PRODUCTS IN THIS SECTION

Storage Station & Starter Kit

STORAGE STATION & STARTER KIT

Task-selected tool storage at the point of use



TASK

Organise and deploy task-selected hand safety tools at the specific work location where they are required, so the correct tool is accessible to the operator at the point of the task.

HAND EXPOSURE ADDRESSED

The secondary exposure of not using a tool because it is not present or accessible — a tool stored remotely from the task is frequently not retrieved.

CONFIGURATIONS

Contents configured around assessed applications for the deployment location. Mounting, access and inspection arrangements confirmed during quotation.

SELECTION CONSIDERATIONS

Select kit contents around the assessed applications for the specific work area. Confirm mounting, access, inspection schedule and the tool selection for the deployment. Configuration is agreed during quotation.

APPLICATION GUIDANCE

Select kit contents around the applications assessed for the specific work area. Confirm mounting location, access, inspection schedule and replacement arrangements. Contents and configuration are agreed during quotation, not supplied as a standard fixed set.

APPLICATION AREAS

HSF tools are applied across industries where hands are used to guide, position, align, retrieve or steady a load or work piece. The table below summarises the primary application areas and the tools reviewed for each. Tool selection is confirmed for each specific task during application review.

DRILLING & WELL OPERATIONS

Drill floor tubular handling, tripping, rack-back, connection guidance, pipe wipe-down, rotary hole cover. Tools reviewed: Rack Back, Twist Control, Pipe Wipe, Pipe Set Back, Connection Guide, Drill Pipe/Casing Tool, Drill Pipe Handling Tool, TubularGuider™, Pipe Grab, RH-COV.

LIFTING & RIGGING

Suspended load guidance, sling retrieval, tagline control, load landing. Tools reviewed: RiggerSafe®, LoadGrab Push/Pull, Cargo Handling Tool, No Swing Tagline, Rigger TagLine, SlingGrab.

FABRICATION & CONSTRUCTION

Steel plate and component handling, structural alignment, welded assembly positioning. Tools reviewed: RiggerLock™ range, LoadGrab MagHead range, Magnetic Hand Lifter, MG003, MG005, Push/Pull tools.

MAINTENANCE & GENERAL INDUSTRY

Punch and chisel work, wrench handling, hose and pipe management, cylinder handling, cargo positioning. Tools reviewed: Punch & Chisel Holder, WrenchGrab, Hose & Pipe Lifter, GasGrab, Cargo Handling Tool.

MARINE & OFFSHORE

Suspended-load guidance, cargo landing and reviewed steel-positioning tasks on decks. Tools reviewed: RiggerSafe®, LoadGrab Push/Pull, RiggerLock™ range, Taglines, Cargo Handling Tool.

PETROCHEMICAL & PROCESS

Pipe and fitting handling, reviewed component positioning and maintenance tasks. Tools reviewed: Hose & Pipe Lifter, LoadGrab Push/Pull, RiggerLock™ range, Push/Pull tools, Punch & Chisel Holder.

DRILLING APPLICATIONS



RACK-BACK OPERATIONS

The Rack Back Tool guides pipe stands during rack-back positioning on the drill floor, keeping hands away from the pipe body, racking fingers and adjacent pipe stands. The operator applies the guiding function from outside the rack area rather than reaching in to direct the stand.

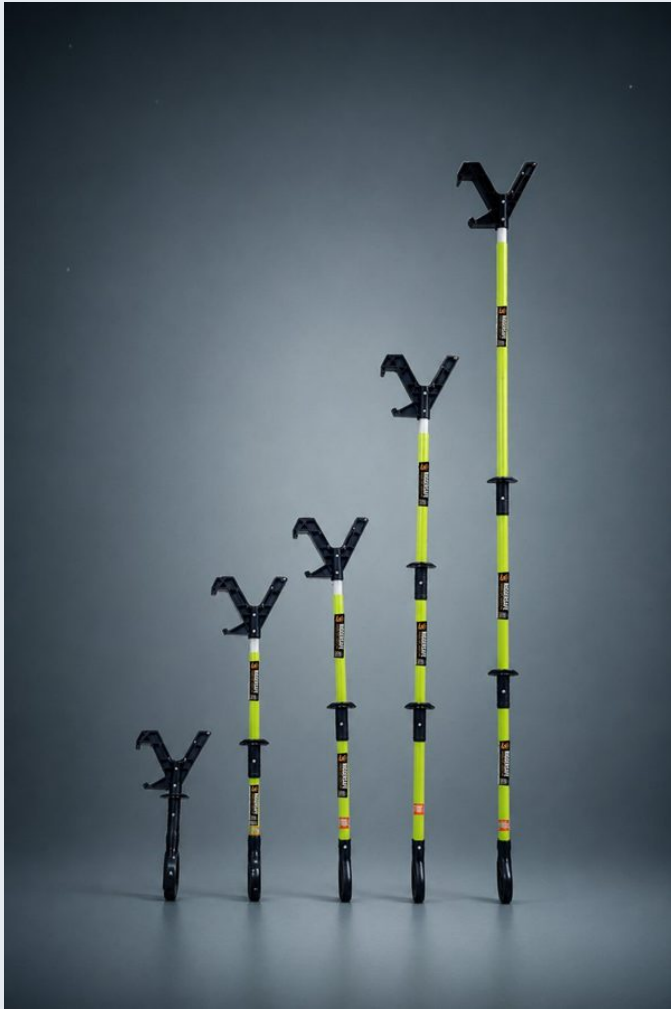
Tool shown in application context. Review pipe geometry, racking layout and operator position for each specific operation.

TUBULAR POSITIONING

The Twist Control Tool provides an interface for positioning and controlled manual orientation of compatible tubulars. Confirm holder fit, task forces and the current model operating instructions. This catalogue does not establish suitability for powered rotation or live torque.

Tool shown in application context. Review rotation, contact geometry, operator position and clearances for each specific operation.

LIFTING & MAGNETIC GUIDANCE



SUSPENDED LOAD GUIDANCE

The RiggerSafe® and LoadGrab Push/Pull tools keep the operator's hands away from a suspended load during guidance and landing. The lifting system supports the load; the tool provides the directional interface from a working distance.

Confirm reach, contact geometry and direction of force for the specific lift. The tool does not support the load.



MAGNETIC STEEL GUIDANCE

The RiggerLock™ range and LoadGrab MagHead tools transfer the guiding function to a magnetic contact interface on suitable ferrous steel surfaces. The operator holds the tool handle; the magnet contacts the steel. Not rated as lifting devices.

Confirm ferrous steel surface condition, magnetic compatibility and release method for each application.

REQUEST AN APPLICATION REVIEW

A catalogue name cannot confirm suitability. Share the task, the hand function and the movement — we can review the application and discuss a suitable next step.

WHAT TO SHARE WITH US

- The task being performed
- Where the hand enters the task and why
- The load, material, surface and geometry
- The size, weight and handling direction
- The environment and space available
- Photographs or video of the task if available

WHAT THE REVIEW COVERS

- Hand function identification (Find The Hand™)
- Suitable tool or interface candidates
- Confirmed specifications and configurations
- Limitations and conditions of use
- Installation and operating guidance

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ABOUT PSC HAND SAFETY INDIA

PSC Hand Safety India Private Limited develops and supplies purpose-built hand safety tools and the methodologies that support their application. Our approach begins with the task — identifying the hand's function and engineering a response that moves it out of the exposure zone.

OUR APPROACH

We examine each task to understand why the hand is present and what function it is performing. We then work to engineer the required function outside the exposure zone — through a purpose-built interface, a process change or a task redesign — wherever that is practicable.

OUR DOCTRINE

The Human Hand Is Not a Tool™, Find The Hand™, the Hand Exposure Hierarchy™ and The Last 300 mm Rule™ form the doctrinal framework we use for task analysis and hand safety assessment. These methods are applied to every tool selection and application review.

OUR TOOLS

Each tool in the HSF range addresses a specific hand function in a specific class of task. No tool is universally suitable — selection requires review of the task, the hand function, the load, the geometry and the operating method. We support that process through application review.

TOOL SELECTION

Tool recommendations are conditional on the reviewed task. Suitable tools can provide engineering control and separation from a specific exposure — the underlying hazard may remain. Confirm suitability and operating conditions during application review before use.

The Human Hand Is Not a Tool™ — A hand becomes the de facto tool when no other interface is available. The task of industrial hand safety is to identify that function and engineer a better way to perform it.

CONTACT

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APPLICATION ENQUIRY

Share your task, the hand function and the movement. We will review the application and provide guidance on suitable tools and configurations. Specifications, model availability and pricing are confirmed during the application review process.

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THE HUMAN HAND IS NOT A TOOL™

Practical tools to help keep hands clear of industrial hazards. Task-led selection — identify the hand function before choosing a control.