

PRODUCT DATASHEET

# XTEND SAFE™

## NO-TOUCH PUSH / PULL TOOL

A field-ready hands-free tool for pushing, pulling, guiding, and aligning loads while helping workers keep their hands away from pinch points, crush zones, and line-of-fire areas.

MIN. 600 MM SAFE DISTANCE

5 SIZES: 21"-96"

NOT PPE – ENGINEERING AID

TECHMRO INC.



DIRECTIONAL CONTROL ONLY

NOT FOR LIFTING

MIN. 600 MM HAND-TO-HAZARD DISTANCE

100% LOAD SUPPORT REQUIRED

NOT PPE

### HAZARD → XTENDSAFE USE

HAZARD	UNSAFE ACTION	XTENDSAFE USE
Pinch point	Fingers near gap	Guide from distance
Suspended load	Steady load by hand	Controlled push/pull
Moving part	Reach near rollers	Maintain separation
Alignment	Insert hand at landing	Final directional control

### AVAILABLE SIZES

SIZE	REACH	APPLICATION
21"	~533 mm	Close-range controlled positioning
42"	~1,067 mm	General maintenance & workshop
50"	~1,270 mm	Medium-distance industrial handling
72"	~1,829 mm	Rigging, yard & load-control tasks
96"	~2,438 mm	Extended reach / wide hazard zones

When in doubt, select a longer size to maintain adequate hand-to-hazard separation.

### INDUSTRIES

- OIL & GAS
- PETROCHEMICAL
- REFINERIES
- POWER PLANTS
- CONSTRUCTION
- MARINE & OFFSHORE
- SHIPYARDS
- WAREHOUSING

### KEY FEATURES

- 01 NO-TOUCH OPERATION**  
Reduces direct hand contact with moving or unstable objects. Keeps hands outside pinch and crush zones during load control tasks.
- 02 EXTENDED REACH DESIGN**  
Maintains a minimum 600 mm (2 ft) hand-to-hazard separation. Improves directional control without stepping closer to the hazard.
- 03 CONTROLLED PUSH & PULL**  
Designed for directional control only – not lifting. Enables smooth, incremental movement and safer final positioning during landing.
- 04 INDUSTRIAL-GRADE CONSTRUCTION**  
Built for refinery, petrochemical, and heavy-industry environments. Durable shaft and handle designed for high-frequency use.
- 05 ERGONOMIC, FIELD-READY HANDLING**  
Reduces wrist strain and over-reaching. Supports better body positioning and balance. Appropriate grip and weight for extended field use.
- 06 SAFER THAN IMPROVED ALTERNATIVES**  
Designed specifically for no-touch directional control – safer in use than pipes, rods, timber, or other improvised push/pull tools.

### APPLICATIONS

- Load positioning (rigging)
- Equipment & skid alignment
- Pipe spool & valve positioning
- Guiding loads during landing
- Maintenance & shutdown tasks
- Offshore & shipyard deck control
- Conveyor & nip-point proximity
- Crate & pallet positioning

**TECHNICAL SPECIFICATIONS**

PRODUCT NAME	XtendSafe™ No-Touch Push/Pull Tool
BRAND	XtendSafe™
PARENT COMPANY	TechMRO Inc.
PRODUCT TYPE	No-Touch Push/Pull Tool
FUNCTION	Push · Pull · Guide · Align
LOAD USE	Directional control only
MIN. SAFE DISTANCE	600 mm / 2 ft hand-to-hazard
AVAILABLE SIZES	21", 42", 50", 72", 96"
CLASSIFICATION	Not PPE – Engineering-Control Aid
ENVIRONMENTS	Refinery, Petrochemical, Heavy Industry, Offshore

**XTENDSAFE™ VS PPE (GLOVES)**

ATTRIBUTE	XTENDSAFE™	PPE / GLOVES
Hand location	Away from hazard	Inside hazard zone
Protection type	Prevents contact	Reduces injury on contact
Hierarchy level	Engineering-control aid	Last line of defence
Distance from hazard	600 mm+ separation	No added distance
When to use	Contact can be avoided	Contact unavoidable

XtendSafe and gloves serve different roles and should not be treated as alternatives.

**⚠ CRITICAL SAFETY NOTE**

**XtendSafe™ is not a lifting device.** It must not be used to lift, suspend, support, stop, or hold any load weight. Use only as part of approved site procedures, lifting plans, and hands-free / no-touch handling practices. 100% of load weight must be supported by crane, hoist, roller, or mechanical aid at all times.

**SAFE USE RULES**

✓ MANDATORY – DO	✗ CRITICAL – DO NOT
✓ Use for directional control only: push, pull, guide, align	✗ Do not use to lift, support, stop, or hold load weight
✓ Maintain min. 600 mm hand-to-hazard distance at all times	✗ Do not hook into slings, shackles, chains, or rigging
✓ Apply smooth, controlled force in line with movement	✗ Do not side-load, twist, or jerk the tool
✓ Ensure 100% load weight is mechanically supported	✗ Do not step inside pinch or crush zone for alignment
✓ Maintain line-of-fire awareness and clear escape path	✗ Do not substitute hands when resistance is felt
✓ Inspect shaft, handle, and head before each use	

**INDUSTRY-SPECIFIC USE CASES**

OIL & GAS / PETROCHEM	Pipe spool alignment, valve positioning, load guiding on racks
REFINERIES / SHUTDOWNS	Final positioning, skid alignment, congested SIMOPS areas
POWER PLANTS	Turbine, pump, motor and skid alignment during installation
CONSTRUCTION / PRECAST	Beams, panels, cages and precast element positioning
MARINE / OFFSHORE	Deck load control, suspended load guiding, landing support
WAREHOUSES / MAINTENANCE	Equipment positioning, crate/pallet control, retrieval tasks

**SAFETY PRINCIPLE**

**DISTANCE IS THE CONTROL.**

If hands are close enough to get hurt, they are too close. Most hand exposure happens during the final positioning stage – when workers instinctively reach in to steady, guide, or correct a load. XtendSafe creates physical distance between the worker and the hazard, especially during the last few inches of movement.