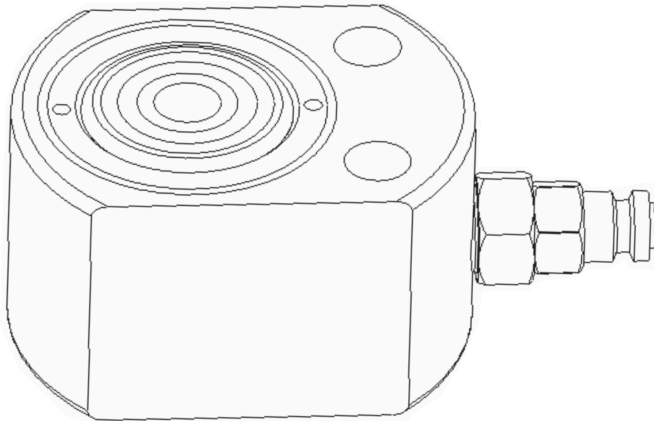




INSTRUCTIONS FOR

# SHORT PORTABLE RAM

MODEL NO.: TRB2005, TRB2010, TRB2020, TRB2030



## **▲ WARNING!**

Please Read These Instructions Carefully. Note The Safe Operational Requirements, Warnings & Cautions. Use The Product Correctly And With Care For The Purpose For Which It Is Intended. Failure To Do So May Cause Damage And/or Personal Injury And Will Invalidate The Warranty. Keep These Instructions Safe For Future Use.

## SAFETY

**WARNING!** Ensure Health & Safety, local authority and general workshop practice regulations are adhered to when using this equipment.  
familiarise yourself with product application and limitations, as well as the specific hazards peculiar to the kit.

**WARNING!** Disconnect the ram from the hydraulic pump before servicing or performing any maintenance on the unit. maintain in good order. Replace/repair with genuine parts only. Unauthorised parts may be dangerous and will invalidate the warranty.  
Keep the ram clean for best and safest performance.

**WARNING!** Ensure you know how much load you are pushing. never exceed the maximum pushing capacity. maintain correct balance and footing. ensure the floor is not slippery and wear non-slip shoes.  
If working on an 'off centre' load, pump with care. if you feel undue resistance, stop and re-adjust the set-up.

**WARNING!** Keep your hands, body and clothing away from the ram and load when in use. Take any necessary precautions to protect your personal safety whilst using the ram.  
Always be prepared for unexpected load movement, never place yourself or any part of your body in a position that could result in injury.  
Ensure the hydraulic hose is not bent or kinked but laid out correctly. Avoid damage to the hose (e.g. crushing/cutting).  
Keep non-essential persons away from the operating area. Be aware of the locations of other persons assisting you. When releasing tension from the load be sure to undo the hydraulic valve VERY slowly.  
DO NOT operate the ram if any parts are damaged or missing as this may cause failure and/or personal injury.  
**WARNING! DO NOT use for any purpose other than for which it is designed.**  
DO NOT modify accessories for use with this ram.  
When not in use, place dust cap in end of hydraulic connector and store the ram, in a safe, dry, childproof location.

**WARNING!** The warnings, cautions and instructions in this manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be applied by the operator.

## INTRODUCTION

Extremely short collapsed height makes these rams suitable for use where there is almost no clearance at the lift point. Unique ram and cylinder bearings absorb eccentric load stresses in order to protect the cylinder against abrasion, over-extension and jamming. Chromed rams with polyurethane seals and wipers provide longer service life. Rams feature high flow quick connecting couplers with dust caps.

Model	Capacity (Ton)	Min.Height (in)	Lifting Height (in)	Max. Height (in)	Cylinder Diameter (in)	Suitable Hand Pump
TRB2005	5	1-9/16	4/16	1-14/16	1-6/16	TRCP-180
TRB2010	10	1-14/16	6/16	2-5/16	1-12/16	
TRB2020	20	2-3/16	7/16	2-10/16	2-6/16	
TRB2030	30	2-7/16	8/16	2-15/16	2-15/16	

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## OPERATION

**WARNING!** Ensure you have read and understood chapter 1 safety instructions.  
Remove plug from ram connector (retain plug to reseal connector after use).  
Connect to suitable hydraulic pump (see section 3).  
Position ram as required and operate pump.

**IMPORTANT:** Always store the ram with the piston fully retracted to help prevent corrosion. Rams with signs of rust on the main piston cannot be replaced under warranty.

## MAINTENANCE

**IMPORTANT:** Only competent personnel should attempt maintenance or repair to the hydraulic system.

**WARNING:** DO NOT use brake fluid, or any fluid other than hydraulic jack fluid, as this may cause serious damage to the pump/ram and will invalidate the warranty!

- Before each use check for damage to ram, pump, hose and accessories. if any suspect item is found remove from service and take necessary action to remedy the problem. Replace/repair with genuine parts only. unauthorised parts may be dangerous and will invalidate the warranty.
- Keep all parts clean - use only a mild detergent and a damp cloth. DO NOT use solvents.

**Note:** A small amount of oil around ram seal is normal - a thicker layer of oil may be deposited onto the ram initially, due to the ram seals bedding in.  
Hydraulic couplings will weep a small amount of oil, particularly if the ram is under pressure when the coupling is released - this is normal.

**IMPORTANT:** IMPORTANT: NO RESPONSIBILITY IS ACCEPTED FOR INCORRECT USE OF THE RAM.