



# Micropac Integral 10 Ton Cylinder

Any 54mm stroke/2.25 inch-14UNS 10 ton industry standard cylinder, hose and pump can be replaced with this single integral jack.



TYPICAL APPLICATIONS: LOAD HOLDING, JACKING AND WORK HOLDING. DESIGNED FOR HYDRAULIC TOOLS WHEN FITTED INTO YOUR OEM OR CUSTOM DESIGN.  
RAM + HOSE + 2 SPEED PUMP IN ONE UNIT.

## FEATURES

- Rugged steel construction
- Industry standard cylinder threads
- 360 degree handle swivel for universal access
- Two speed pump operation
- With sealed reservoir
- Hard chrome plated pump piston rod for long life
- Low corrosion finish
- 10 ton reaction taken on collar thread
- Cost effective compared with a pump and hose
- PTFE piston bearing for low friction
- 10 ton load single acting with spring return
- Integrated overload relief valve
- Compact: 290mm long and mass 4.5kg
- Operates in any orientation and in confined spaces
- Quality British Micropac® pump unit
- Designed for long life
- Eliminates separate pump and hose
- Any orientation

# INSTALLATION & MAINTENANCE

## APPLICATION

The unit is suitable for any application requiring an "industry standard" 10 tonne single acting push cylinder with the addition of an in-built pump / reservoir rather than the conventional separate pump and hose. The sealed hydraulic system allows use in any position and the 360 degree swivel on the handle mechanism gives great flexibility in operating position.

The unit is filled at the factory with a standard hydraulic mineral oil (ISO type HL or HV, VG 22 or 32 ) and we would recommend use over a temperature range of -20 to 70 degrees centigrade. Please consult the factory for any special operating conditions. Particular attention may need to be paid to extended low temperature operation, where a lower viscosity oil can be used.

## MOUNTING

The mounting orientation is universal subject to ergonomic considerations in using the operating handle. Do not tighten up the unit by exerting torque on the reservoir or release lever. Care must be exercised in connecting any end piece to the piston rod. The hard chrome plated surface must not be damaged during fitting.

## OPERATION

Off centre loads must not be lifted as this exerts unnecessary strain on the cylinder plunger. The unit is fitted with a relief valve set at the factory. This should not be re-set any higher than 10 tonnes. Please specify if lower pressures are required. The equipment should not be exposed to temperatures in excess of 70 degrees Centigrade.

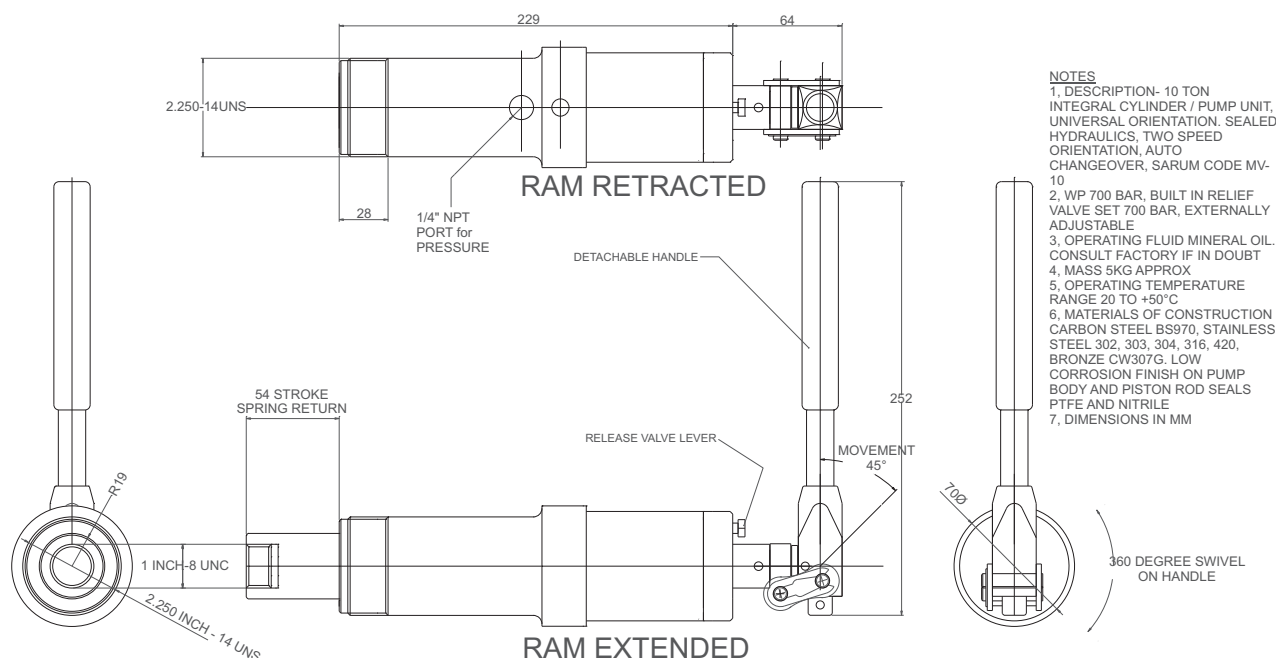
## MAINTENANCE

A service kit is available for the unit. Genuine Micropac® parts should be used and installed by authorised personnel in accordance with instructions. Always use fresh oil of the correct grade. An exploded drawing showing parts and servicing instructions are available as part of service kits.

## SAFETY

This pump is a component forming part of a hydraulic pressure system. The system should be designed, operated and maintained in accordance with statutory requirements and other relevant instructions.

# DIMENSIONS



We are long established ISO 9001:2008 designers and manufacturers of hydraulic equipment. Full details of other products in our range are available from:

**Sarum Hydraulics Limited**  
Unit 1 Danebury Court, Salisbury SP4 6EB, UK  
Tel: 44(0)1722 328388 Fax: 44(0)1722 414307  
email: [pumpsales@sarum-hydraulics.co.uk](mailto:pumpsales@sarum-hydraulics.co.uk)  
[www.sarum-hydraulics.co.uk](http://www.sarum-hydraulics.co.uk)

We invest heavily and continuously in product development.  
Specifications are therefore liable to change without prior notification.  
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**SARUM**  
HYDRAULICS  
Designers & Manufacturers of Micropac® Hydraulics



**SARUM**  
HYDRAULICS  
Designers & Manufacturers of Hydraulic Equipment

# ORDER SHEET FOR MICROPAC 10 TON INTEGRAL CYLINDER / PUMP

Model Number	
M	V
1	0

Load	
10	10 Ton

If you have a special requirement, please contact the factory for more information.

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