HEMS
HEAVY EQUIPMENT MAINTENANCE SOLUTIONS LIMITED

**BRITISH ENGINEERING. TRUSTED GLOBALLY**
KEEP YOUR EARTH MOVING MACHINERY MOVING

# UNDERCARRIAGE CATALOGUE

## TRACK & UNDERCARRIAGE SOLUTIONS

SPECIALIST EQUIPMENT FOR TRACK PRESSING, TORQUEING AND CONVEYOR SYSTEMS.



- TRACK PRESS
- TORQUE WRENCH
- ROLLER CONVEYOR

www.hemsltd.com | sales@hemsltd.com | +44 2380 987 182 (UK)

# STATIONARY TRACK PRESS

## HEM-UC SERIES

REDUCES LABOUR TIME | HEAVY-DUTY CONSTRUCTION | SAFER REPAIRS | CE & UKCA CERTIFIED




### SPECIFICATIONS

| Model | HEM-UC/200T | HEM-UC/300T | HEM-UC/400T | HEM-UC/500T |
|---|---|---|---|---|
| Capacity of Cylinders | 100 Ton | 150 Ton | 200 Ton | 250 Ton |
| Bore | 180 mm | 220 mm | 260 mm | 290 mm |
| RAM | 140 mm | 180 mm | 220 mm | 240 mm |
| Press Daylight | 800 mm | 800 mm | 900 mm | 900 mm |
| Max Track Pitch | 270 mm | 280 mm | 300 mm | 325 mm |
| Effective Area | 254.46 cm/sq | 380.13 cm/sq | 530.93 cm/sq | 660.52 cm/sq |
| Working Pressure | 400 bar | 400 bar | 380 bar | 380 bar |
| Stroke | 150 mm | 150 mm | 150 mm | 150 mm |
| Forward Speed | 27.22 mm/Sec | 21.69 mm/Sec | 20.17 mm/Sec | 16.21 mm/Sec |
| Pressing Speed | 6.94 mm/Sec | 6.53 mm/Sec | 5.93 mm/Sec | 4.77 mm/Sec |
| Voltage | 380 - 440 V | 380 - 440 V | 380 - 440 V | 380 - 440 V |

# ROLLER CONVEYOR SYSTEM

## HEM-UC SERIES

REDUCES LABOUR TIME | HEAVY-DUTY CONSTRUCTION | SAFER REPAIRS | CE & UKCA CERTIFIED



### SPECIFICATIONS

| | |
|---|---|
| Length | 11 meters |
| Height | 690 mm |
| Width | 170 mm |
| Winch Capacity | 2 Ton |
| Electric Motor | 2 HP, 230 V Single Phase / 410 - 440 V 3 Phase |

# TRACK WINDER

## HEM-UC SERIES

REDUCES LABOUR TIME | HEAVY-DUTY CONSTRUCTION | SAFER REPAIRS | CE & UKCA CERTIFIED



### SPECIFICATIONS

| | |
|---|---|
| Max Torque | 8500 Nm |
| Spindle Speed | 2 rpm |
| Electric Motor | 5 HP , 3 Phase |
| Torque Operation | Pendant |
| Voltage | 380 - 440 V |

# TORQUE WRENCH

## HEM-UC/T SERIES

REDUCES LABOUR TIME | HEAVY-DUTY CONSTRUCTION | SAFER REPAIRS | CE & UKCA CERTIFIED




### SPECIFICATIONS

| Model | HEM-UC/T7500 | HEM-UC/T8500 |
|---|---|---|
| Max Torque | 7500 Nm | 8500 Nm |
| Electric Motor | 4.5 Kw | 5.5 Kw |
| Torque Operation | Electric / Joystick | |
| Torque Settings | Programmable | |

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# SPROCKET PULLER

## HE-SP SERIES

REDUCES LABOUR TIME | HEAVY-DUTY CONSTRUCTION | SAFER REPAIRS | CE & UKCA CERTIFIED



### SPECIFICATIONS

| Model | HE-SP 100T/E | HE-SP 100T/M |
|---|---|---|
| Pump | Dual Control | Manual |
| Capacity | 100 Ton | 100 Ton |
| Working Pressure | 700 | 700 |
| Stroke | 350 | 350 |
| Closed Height | 605 | 605 |
| Arm Length | 1000 | 1000 |
| Cylinder OD | 180 | 180 |
| Cylinder Bore | 140 | 140 |
| Ram | 70 | 70 |
| Effective Area | 153.9 | 153.9 |
| Weight | 305 | 305 |

# HE-ECPP

## HYDRAULIC POWER PACK

REDUCES LABOUR TIME | PORTABLE DESIGN | SAFER REPAIRS | CE & UKCA CERTIFIED



### SPECIFICATIONS

| | |
|---|---|
| Control | Wireless Remote |
| Operational Range | Up to 20 Meters |
| Tank Type | Heavy Duty Steel |
| Voltage | 12 v / 24 v Options |
| Oil Capacity | Approx. 10-12 Litres |
| Applications | Truck, Plant, Agricultural Machinery |

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# BATTERY-POWERED POWER PACK

The **HEMS LTD** battery-powered hydraulic power pack delivers reliable, mobile and emission-free hydraulic power for maintenance, lifting, servicing and special applications in remote or power limited locations. Fast to deploy, easy to use and built for durability, it helps your team work safer, cleaner and more efficiently.




## KEY SPECIFICATIONS

| | |
|---|---|
| Battery (CTG EV LFP) | 51.2 V / 100 Ah (LiFePO4) |
| Motor Size | 2Hp (1.5 kW)<br>48 V DC, 1500 RPM |
| Oil Reservoir Capacity | 28 Litres |
| Max. Working Pressure | 700 bar (10,000 PSI) |
| Oil Flow (at rated pressure) | 0.9 LPM |
| Hydraulic Ports | 2 forward and return<br>with 3/8" NPT QRCs |
| Operation | Pendant, corded 3 metre cable |

## KEY SPECIFICATIONS

### ZERO EMISSIONS OPERATION
No exhaust fumes, ideal for indoor urban and environmentally sensitive areas.

### CORDLESS FREEDOM
Fully self-contained battery power.
No external generators or power cables required.

### BUILT TO LAST
Robust contrustion for demanding industrial and heavy equipment applications.

### COMPACT & MOBILE
Integrated canopy, push handle and heavy-duty castors for easy movement.

### QUIET PERFORMANCE
Low noise levels for a better and safer working environment.

### FAST TO DEPLOY
Simple setup and easy operation reduces downtime and gets you working quickly

## SUITABLE FOR:

- Construction & Infastructure
- Heavy Equipement Maintenance
- Plant shutdowns & Tumarounds
- Bridge & Civil Engineering
- Hydraulic Tools & Special Applications

## KEY COMPONENTS:



**LITHIUM BATTERY PACK**
51.2 V / 100 Ah (LiFePO4)




**HYDRAULIC POWER PACK**
High performance, reliable operation




**PENDANT COINTROL**
Simple and safe operation



**HEAVY-DUTY CASTORS**
For easy mobility on site

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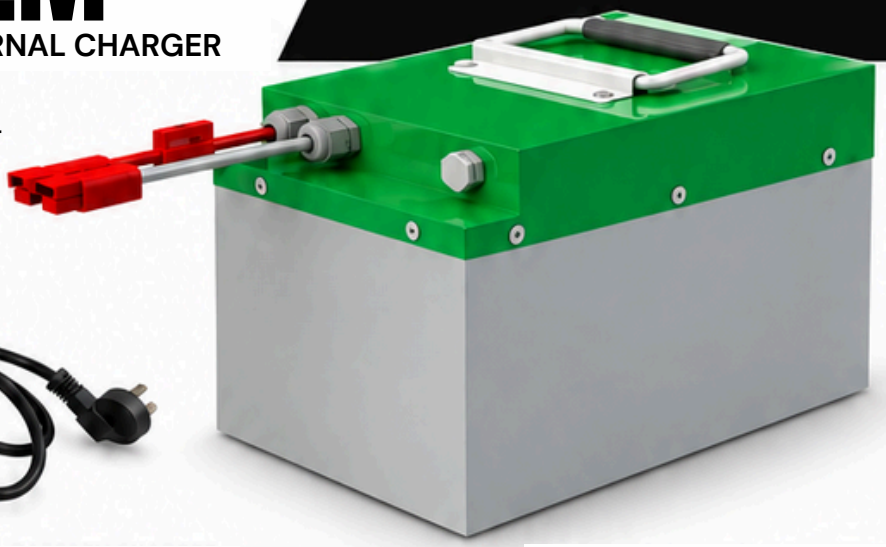
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# BATTERY POWER SYSTEM

## REMOVABLE LITHIUM BATTERY & EXTERNAL CHARGER

**MOBILE POWER**
FLEXIBLE. RELIABLE.
MADE FOR YOU.

High-performance $LiFePO_4$ battery power for mobile hydraulic equipment, remote maintenance and power-limited locations.





**EXTERNAL BATTERY CHARGER**
58.4 V / 2.9 - 3.0 kW

**REMOVABLE LITHIUM BATTERY**
51.2 V / 100 Ah / 5.12 kWh

## BATTERY SPECIFICATIONS:

| | |
|---|---|
| **Battery Chemistry** | $LiFePO_4$ (LFP) |
| **Nominal Voltage** | 51.2 V |
| **Capacity** | 100 Ah |
| **Energy Capacity** | 5.12 kWh |
| **Operating Voltage** | 44.8 - 58.4 V |
| **Standard charge current** | 0.3C = 30 A |
| **Maxium charge current** | 1C = 100 A |
| **Standard discharge current** | 1C = 100 A |
| **Maximum discharge current** | 3C = 300 A |
| **Dimensions (L x W XH)** | 459 X 364 X 180 mm |
| **Approx. weight** | 45 Kg |
| **Recommended charger** | 58.4 V / 30 A |
| **Protection** | Overcharge, over-discharge, overcurrent, short circuit and temperature protection. |
| **BMS** | Smart BMS option; monitoring of voltage, current, temperature and cell balance. |
| **Warranty** | 3 years |
| **Ingress protection** | IP67 |

## EXTERNAL BATTERY CHARGER:

| | |
|---|---|
| **Output Voltage** | 58.4 V DC |
| **Output Power** | Approx. 2.9 - 3.0 kW |
| **Battery** | 51.2 V / 100 Ah $LiFePO_4$ |
| **Charging** | CC/CV |
| **Input** | 220-240 V AC, 50 Hz |
| **Connection** | Anderson connector or suitable high-current connector |
| **Charging time** | Approximately 2.5 - 3.0 hours from low state of charge, depending on BMS and CV taper |

### CORDLESS OPERATION
FREEDOM TO WORK ANYWHERE

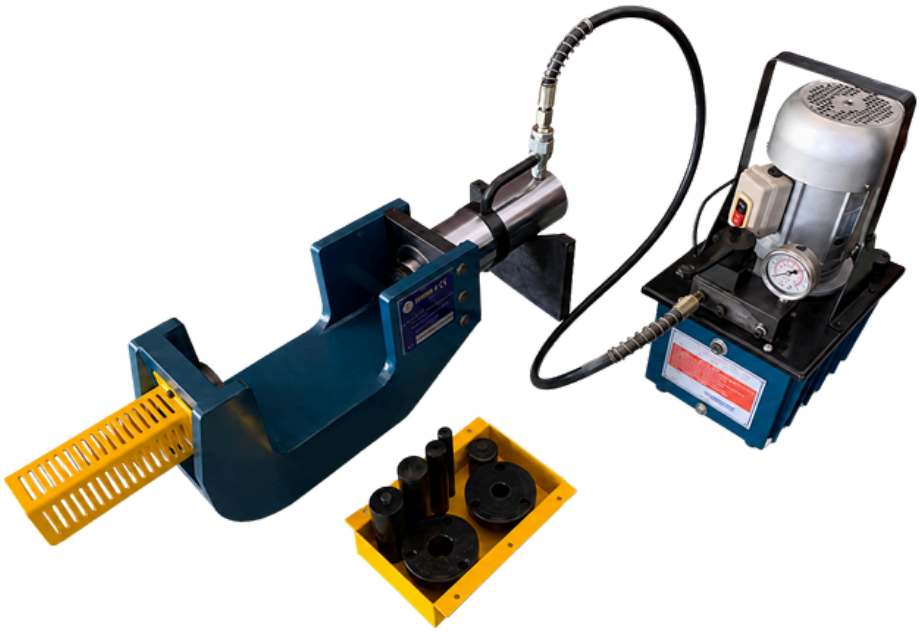
### ZERO EMISSIONS
CLEANER OPERATIONS FOR A BRIGTHER TOMORROW

### IP67 PROTECTION
BUILT FOR TOUGH ENVIRONMENTS

# HEPP 30T
## MASTER PIN PUSHER

REDUCES LABOUR TIME | PORTABLE DESIGN | SAFER REPAIRS | CE & UKCA CERTIFIED

### 30 TON ELECTRIC / MANUAL
5 SETS OF UNIVERSAL TOOLING INCLUDED



**SPECIFICATIONS**

| | |
|---|---|
| Model | HEPP 30T |
| Capacity | 30 Ton |
| Stroke | 200 mm |
| Working Pressure | 700 kg/cm² |
| Weight (Approx.) | 28.5 kg |
| Minimum Pin Diameter | 18 mm |
| Maximum Pin Diameter | 36.2 mm |
| Minimum Pin Length | 90 mm |
| Maximum Pin Length | 170 mm |

# HEPP 50T
## MASTER PIN PUSHER

REDUCES LABOUR TIME | PORTABLE DESIGN | SAFER REPAIRS | CE & UKCA CERTIFIED

### 50 TON ELECTRIC / MANUAL
4 SETS OF UNIVERSAL TOOLING INCLUDED



**SPECIFICATIONS**

| | |
|---|---|
| Model | HEPP 50T |
| Capacity | 50 Ton |
| Stroke | 250 mm |
| Working Pressure | 700 kg/cm² |
| Weight (Approx.) | 85 kg |
| Minimum Pin Diameter | 19.3 mm |
| Maximum Pin Diameter | 36.3 mm |
| Minimum Pin Length | 133 mm |
| Maximum Pin Length | 178 mm |

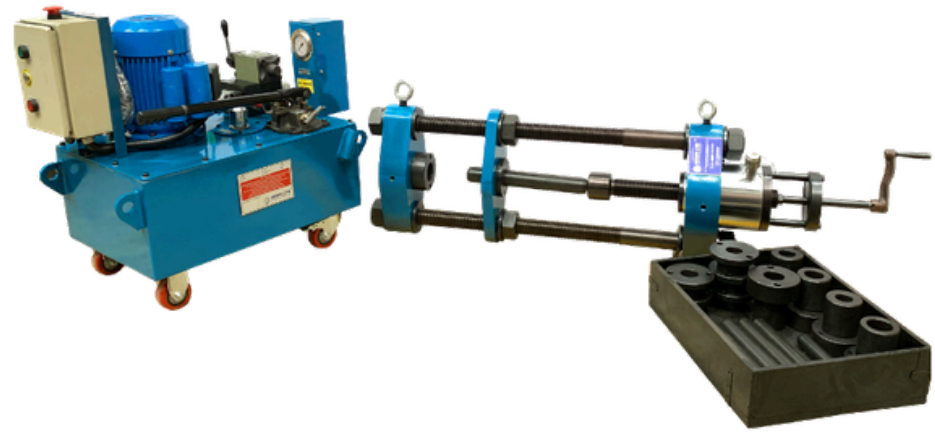
# HEPP 65T

## MASTER PIN PUSHER

REDUCES LABOUR TIME | PORTABLE DESIGN | SAFER REPAIRS | CE & UKCA CERTIFIED

### 65 TON ELECTRIC / MANUAL

6 SETS OF UNIVERSAL TOOLING INCLUDED



**SPECIFICATIONS**

| | |
|---|---|
| Model | HEPP 65T |
| Capacity | 65 Ton |
| Stroke | 60 mm |
| Working Pressure | 700 kg/cm² |
| Weight (Approx.) | 130 kg |
| Minimum Pin Diameter | 30.1 mm |
| Maximum Pin Diameter | 52.3 mm |
| Minimum Pin Length | - |
| Maximum Pin Length | 300 mm |

# HEPP 100T

## MASTER PIN PUSHER

REDUCES LABOUR TIME | PORTABLE DESIGN | SAFER REPAIRS | CE & UKCA CERTIFIED

### 100 TON ELECTRIC / MANUAL

10 SETS OF UNIVERSAL TOOLING INCLUDED



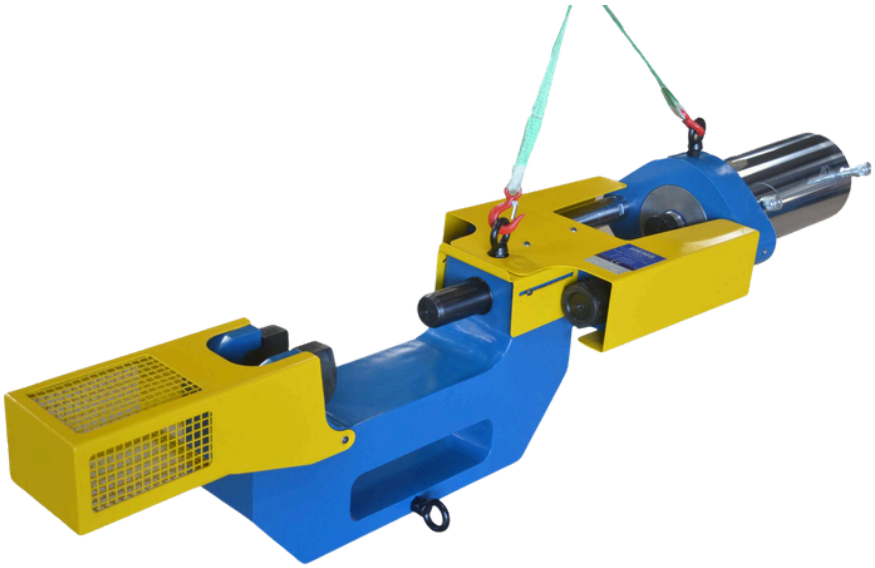
**SPECIFICATIONS**

| | |
|---|---|
| Model | HEPP 100T |
| Capacity | 100 Ton |
| Stroke | 350 mm |
| Working Pressure | 650 kg/cm² |
| Weight (Approx.) | 205 kg |
| Minimum Pin Diameter | 19.3 mm |
| Maximum Pin Diameter | 60.2 mm |
| Minimum Pin Length | 160 mm |
| Maximum Pin Length | 320 mm |

# HEPP 150T
## MASTER PIN PUSHER

REDUCES LABOUR TIME | PORTABLE DESIGN | SAFER REPAIRS | CE & UKCA CERTIFIED

### 150 TON ELECTRIC / MANUAL
12 SETS OF UNIVERSAL TOOLING INCLUDED



**SPECIFICATIONS**

| | |
|---|---|
| Model | HEPP 150T |
| Capacity | 150 Ton |
| Stroke | 350 mm |
| Working Pressure | 650 kg/cm² |
| Weight (Approx.) | 480 kg |
| Minimum Pin Diameter | 23.7 mm |
| Maximum Pin Diameter | 70 mm |
| Minimum Pin Length | 311 mm |
| Maximum Pin Length | 365 mm |

# HEPP 200T
## MASTER PIN PUSHER

REDUCES LABOUR TIME | PORTABLE DESIGN | SAFER REPAIRS | CE & UKCA CERTIFIED

### 200 TON ELECTRIC
15 SETS OF UNIVERSAL TOOLING INCLUDED



**SPECIFICATIONS**

| | |
|---|---|
| Model | HEPP 200T |
| Capacity | 200 Ton |
| Stroke | 350 mm |
| Working Pressure | 650 kg/cm² |
| Weight (Approx.) | 630 kg |
| Minimum Pin Diameter | 19.3 mm |
| Maximum Pin Diameter | 76.2 mm |
| Minimum Pin Length | 311 mm |
| Maximum Pin Length | 415 mm |

# HEPP 230T
## MASTER PIN PUSHER

REDUCES LABOUR TIME | PORTABLE DESIGN | SAFER REPAIRS | CE & UKCA CERTIFIED

### 230 TON ELECTRIC
7 SETS OF UNIVERSAL TOOLING INCLUDED




**SPECIFICATIONS**

| | |
|---|---|
| Model | HEPP 230T |
| Capacity | 230 Ton |
| Stroke | 350 mm |
| Working Pressure | 650 kg/cm² |
| Weight (Approx.) | 680 kg |
| Minimum Pin Diameter | 22 mm |
| Maximum Pin Diameter | 85 mm |
| Minimum Pin Length | 360 mm |
| Maximum Pin Length | 425 mm |

# HEPP 250T
## MASTER PIN PUSHER

REDUCES LABOUR TIME | PORTABLE DESIGN | SAFER REPAIRS | CE & UKCA CERTIFIED

### 250 TON ELECTRIC
7 SETS OF UNIVERSAL TOOLING INCLUDED




**SPECIFICATIONS**

| | |
|---|---|
| Model | HEPP 250T |
| Capacity | 250 Ton |
| Stroke | 350 mm |
| Working Pressure | 650 kg/cm² |
| Weight (Approx.) | 810 kg |
| Minimum Pin Diameter | 22 mm |
| Maximum Pin Diameter | 85 mm |
| Minimum Pin Length | 360 mm |
| Maximum Pin Length | 425 mm |

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# HEPP 300T
## MASTER PIN PUSHER

REDUCES LABOUR TIME | PORTABLE DESIGN | SAFER REPAIRS | CE & UKCA CERTIFIED

### 300 TON ELECTRIC
15 SETS OF UNIVERSAL TOOLING INCLUDED



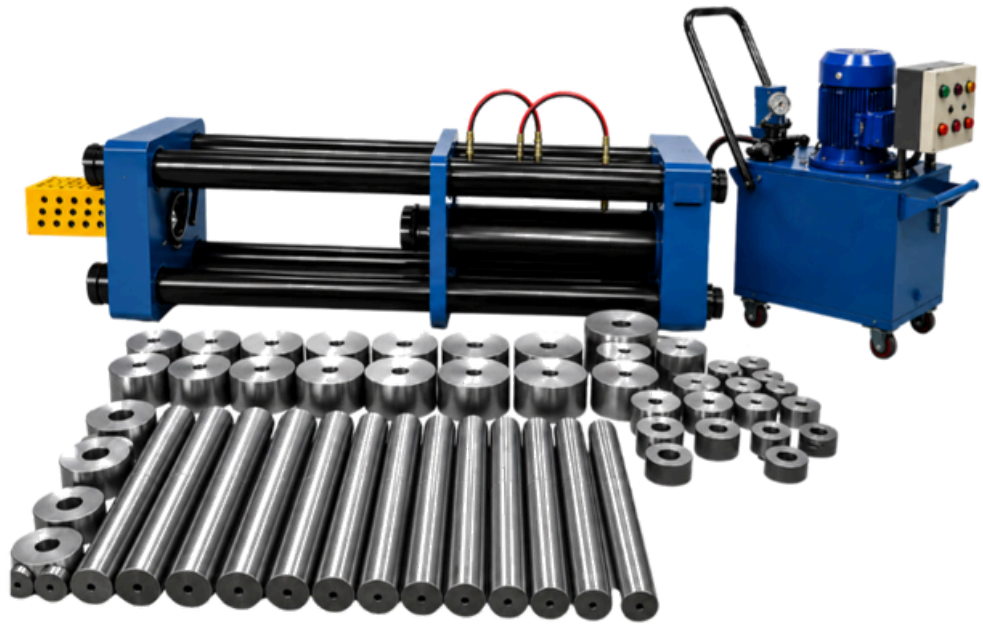
**SPECIFICATIONS**

| | |
|---|---|
| Model | HEPP 300T |
| Capacity | 300 Ton |
| Stroke | 600 mm |
| Working Pressure | 644 kg/cm² |
| Weight (Approx.) | 1420 kg |
| Minimum Pin Diameter | 36.4 mm |
| Maximum Pin Diameter | 85 mm |
| Minimum Pin Length | 360 mm |
| Maximum Pin Length | 425 mm |

# HEPP 400T
## MASTER PIN PUSHER

REDUCES LABOUR TIME | PORTABLE DESIGN | SAFER REPAIRS | CE & UKCA CERTIFIED

### 400 TON ELECTRIC
15 SETS OF UNIVERSAL TOOLING INCLUDED



**SPECIFICATIONS**

| | |
|---|---|
| Model | HEPP 400T |
| Capacity | 400 Ton |
| Stroke | 500 mm |
| Working Pressure | 660 kg/cm² |
| Weight (Approx.) | 1480 kg |
| Minimum Pin Diameter | 60 mm |
| Maximum Pin Diameter | 105.2 mm |
| Minimum Pin Length | 400 mm |
| Maximum Pin Length | 400 mm |

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# ADDITIONAL ATTACHMENTS

Included with Master Pin Pusher Packages (Excluding 30T and 65T Models)



**SPARE SEAL KIT**
Cylinder & Pump Unit



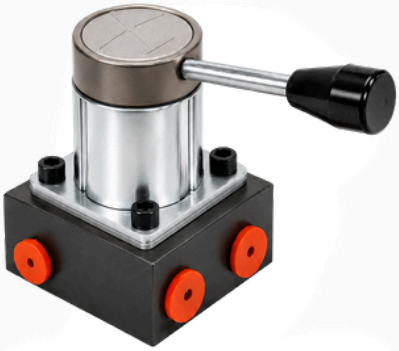
**TOOLING**
Included



**TELESCOPIC TRIPOD**
1 T Capacity



**HAND TOOL SET**
Spanner & Allen Keys



**DIRECTIONAL CONTROL VALVE**
Spare Unit



**CHAIN PULLEY**
Included



**RUBBERISED HOSE KIT**
4 m Hoses & Couplers



**LIFTING BELT**
1 T Capacity



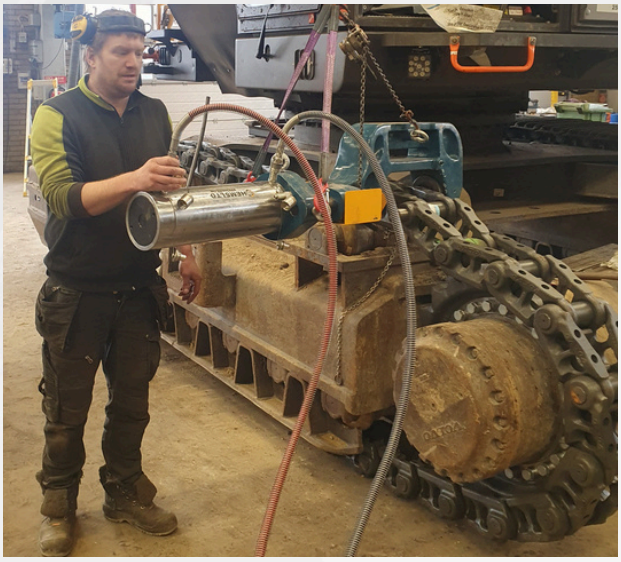
**20 T FLAT JACK**
Bushing Removal

# HEMS

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**PRODUCT VIDEOS**

**WEBSITE**