

**Puller 100 to**  
**with integrated acetylene-compressed air**  
**ring-burner**

mobile Puller with 1000kN force

*and/or*

**high pressure hydraulic**  
**to wide of the bearing fitting**

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Side 2

## Specifications:

## 3 GRIPPER PULLER

|  |                         |
|--|-------------------------|
| Force:   | 1000 kN                 |
| Acetylene-compressed air ring-burner:<br>(others on inquiry possible)      | heating area Ø 350 mm , |
| Cylinder stroke press-cylinder:  | 250 mm                  |
| Cylinder stroke lifting-cylinder:  | 300 mm                  |
| Maximum opening:<br>( <i>maximum wheel diameter</i> )                      | 1250 mm                 |
| Maximum working distance:<br>( <i>Distance outside-edge axis – wheel</i> ) | 500 mm                  |
| Power supply:  | 2,5 KW, 400 V, 50 Hz    |
| Maximum velocity<br>( <i>all hydraulically moved parts</i> )               | 5 mm/ sec.              |
| Total weight:  | approximately 600 kg.   |

### **Short - description:**

Through aimed „approaches “ bring the Puller into position.

The hydraulic press cylinder is vertical moveable mounted at the frame.

Through to the lifting cylinder can the press cylinder and the three gripping arms be lifted to the wheel centrally.

The tie-rods are mounted at the press cylinder rotary, and support themselves the rotary ring.

Operation of the ring is manually.

The rotary ring offers exact positioning of the gripping arms. Closing and opening function is via a lever.



Side 3

The ring-burner is installed at 3 bars and at a mounting ring.

A protecting tube is mounted at the rod of the press cylinder and so arranged, that the wheel fits to the protecting tube.

The hydraulic power pack is mounted at the car frame.

## E-control:

The E-control consists of an electric case and a Cable-tele control.

Cable length of the Cable-tele control is approximately 3m.

## Operation manual:

- Open the grippers by means of the ring
- Drive the Puller into position
- Lift the Puller by means of the lifting cylinder into press position
- Close the grippers
- Pre-load the press cylinder, the car will now be forced into the exact position
- Start the ring-burner
- Start removing process
- Removing is finished if the wheel is in the puller
- To take the wheel out of the puller open the grippers

Side 4

## 1000 kN 3 – GRIPPER PULLER



**Maximum force 1000 kN**

**Cylinder stroke 250 mm**

**Mobile frame**

**Integrated acetylene-compressed air-burners**

**Hydraulic lifting and lower**

**Cable-tele control**

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## Control Panels:



### Electric case

Rotary switches: Main switch ON – OFF  
Buttons: START hydraulics on  
STOP hydraulics off  
Light: power supply existing



### Cable-tele control

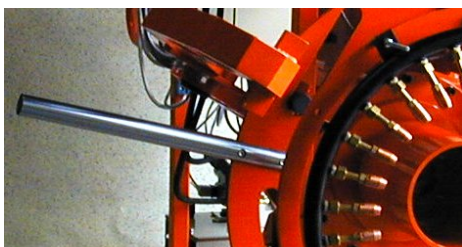
Buttons: PULL  
RETURN  
Button: EMERGENCY STOP

*The movement is executed with pressed PULL button. The Puller stops by releasing the PULL button.*



### Height-adjustment

Hand-operated hydraulics-valve, feather-centred  
Movement: Lifting cylinder; up – down



### Gripping-arms opening and closing:

Turn the gripper ring via lever