



P-22061

HYDRAULIC CLIMBER 2510-100-UD

Web version manual

For complete version
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TABLE OF CONTENTS

- 1. Brief Specification**
- 2. Application field of the climber**
- 3. Main components of the climber**
- 4. Description of the climber**
- 5. Action of the climber**
- 6. Operation of the climber**
- 7. Mounting of the climber**
- 8. Lifting of a load**
- 9. Relieving of a load**
- 10. Lowering of a load**
- 11. Safety**
- 12. Changing Of Grip Jaws**
- 13. Greasing**
- 14. Use in explosive environments**
- 15. Part List**



TABLE OF CONTENTS		<i>Page</i>
1.	Brief Specification	3
2.	Application field of the climber	3
3.	Main components of the climber	4
4.	Description of the climber	4
5.	Action of the climber	5
6.	Operation of the climber	6
7.	Mounting of the climber	8
8.	Lifting of a load	8
9.	Relieving of a load	10
10.	Lowering of a load	10
11.	Part List	12



1. **BRIEF SPECIFICATION**

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|-----|---|---------------------------------|
| 1.1 | Lifting/lowering capacity: | Max. 100 ton |
| 1.2 | Length of stroke: | 200 mm |
| | Effective climbing length at lifting: | 195 mm each stroke |
| | Effective length of lowering: | 140 mm each stroke |
| 1.3 | Piston area | |
| | At cylinder pressure side: | 628 cm ² (plus side) |
| | At cylinder return side: | 226 cm (minus side) |
| 1.4 | Cylinder volume | |
| | 2 cylinders when fully extended: | 12,56 litres (plus side) |
| | At cylinder return side: | 4,52 litres (minus side) |
| 1.5 | Static hydraulic pressure | |
| | SWL pressure: | 160 bar at 100 ton |
| 1.6 | The climber to be connected to pump: | HP 2.37.74.70/ 180 |
| | See manual for the pump. | |
| 1.7 | Climb rod: 100 x 100 mm | |

2. **APPLICATION FIELD OF THE CLIMBER**

- 2.1 **Lifting and lowering of heavy loads.**
- 2.2 **Horizontal movement of heavy loads.**
- 2.3 **The climber is designed for climb up a stationary compressed climb-rod to lift or lower a load, which is applied to the climber.**



3. MAIN COMPONENTS OF THE CLIMBER

3.1 Branch pipes (11-3949)

3.2 Two parallel double-acting hydraulic cylinders (11-JC75) with pistons.

3.3 Movable grip-jaw head assembly (11-GR15) fixed to the piston rods (11-1321).

3.4 Firm grip-jaw head assembly (11-GR15) fixed to the cylinder bottoms (11-0747).

3.5 Switch Mechanism assembly (11-JC76).

3.6 Top plate (11-0759)

3.7 Springs (07-0719)

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