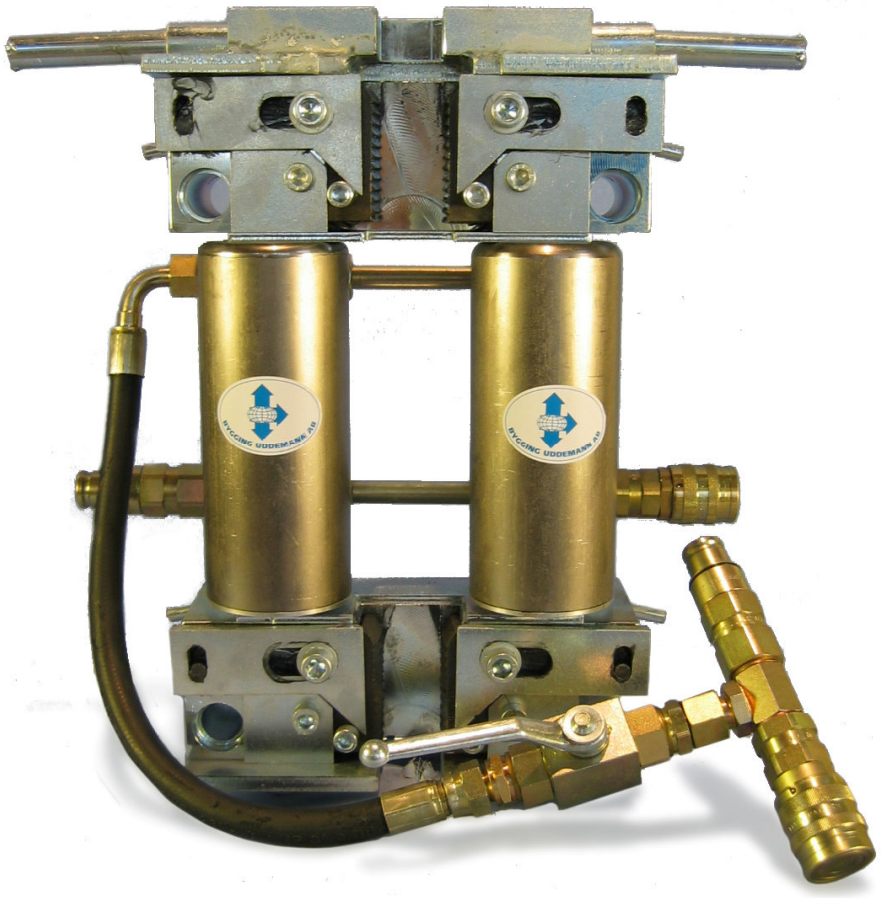
Bygging-Uddemann



P-22058

HYDRAULIC CLIMBER 2510-35-D

Web version manual

For complete version
contact Bygging-Uddemann:
info@bygging-uddemann.se

No: W0025

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1. BRIEF SPECIFICATION

1.1	**Lifting/lowering capacity, kN (m.tons)**	**:**	**120 (12)**
1.2	**Max. working pressure, MPa (bar)**	**:**	**16 (160)**
1.3	**Stroke, mm**	**:**	**100 mm**
	Effective stroke, lifting mode, mm	**:**	**95**
	Effective stroke, lowering mode, mm	**:**	**80**
1.4	**Piston area, sq.cm.**	**:**	**77**
	Piston area, retract side, sq.cm.	**:**	**52**
1.5	**Climb rod, mm square**	**:**	**35 x 35**
1.6	**Size: height, mm, retracted**	**:**	**455**
	width, mm	**:**	**300**
	depth, mm	**:**	**165**
1.7	**Net weight, kgs**	**:**	**51**
1.8	**Swept volumes, up**	**:**	**0,77 l**
	retract	**:**	**0,52 l**
	tank displacement	**:**	**0,25 l**

The climber is to be used together with a Bygging-Uddemann pump unit, e.g. GP 2.32.160, HP 2.20.40.160/80 or HP 2.12.40.160.

2. APPLICATION

The climber is designed mainly for lifting of steel tanks working on a trestle with climb rod.

Other applications of the climber is also possible, in general heavy lifting business, and is only limited by the fantasy of the user.

3. MAIN COMPONENTS

3.1 **Two parallel double-acting hydraulic cylinders with piston rods connected with branch pipes.**

3.2 **Firm and movable grip jaw head with grip jaws.**

3.3 **Top- and support plate.**

3.4 **Catches with operating shafts.**

4. INSTALLATION INSTRUCTIONS

4.1 **Make sure that the operators are familiar with the jacking equipment.**

4.2 **Allow the climber to have a vertical clearance of 100 mm (one stroke) to the lifted structure, i.e. the lift lug on the shell plate.**

4.3 **Hydraulic hoses are normally lined up as a ring circuit with branches to each jack, with a ball valve (tap) on the upstroke side of each climber.**

NOTE! No ball valves in retract circuit.

5. DESCRIPTION OF FUNCTION

5.1 **The climber is joined with the climb rod up to its ultimate load by means of tapered wedges = grip jaws.**

5.2 **Movement between the climber and the rod is achieved by inter-action between the pair of hydraulic rams and the two sets of wedge mechanism in a hand over hand manner.**

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