

OTPA-17-2

## Log Grabs



**Manufacturers** Various - e.g. - Abiljo (UK), Engcon, Kinshofer, Idrobenne etc.

### Description

The examples (Kinshofer KM634 range) of hydraulic grabs shown above are typical designs for this type of grab.

These grabs are robust and powerful tools for heavy duty log / timber lifting operations.

Their optimised shell design allows the grabs to handle small diameter timber safely and their sturdy construction results in a long service life.

The hydraulic cylinders are positioned such that they are protected within the carrier frame and the use of hose guards gives additional protection to the hydraulic system.

**Scope of Use** Lifting operations - logs, timber and vegetation etc.

**Competencies** Machine Controller, Crane Controller & OTPA-10

**Product Approval No.** -

**Risk Control Sheet No(s).** NR/L3/MTC/RCS0216/MP01-03 MP06 and MP07

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## Log Grab

### Control Measures Required:

Equipment Operator(s) to have Safe Systems of Work in place for all operational circumstances on the Network Rail Managed Infrastructure.

### Limitations of Use

1. Grabs must only be used by authorised and competent personnel in accordance with mandatory rules, regulations and the equipment operating instructions.
2. If adjacent lines are open to traffic, it shall only be used in accordance with the Method Statement for the possession and only if the safe system of work has taken account of gauge exceedance.
3. Staff shall be briefed on the safe operation of the machine prior to its use.
4. The limitations of the RRV to which the machine is attached shall apply.

### Minimum documentation requirement for the host machine are:

Maintenance and Operating Instructions,

### Additional documents may include:

Product Acceptance Certificate (including Limitations of Use), LOLER Certification, Test Records, Inspection Records, Test Certificates, Load Radius Charts (duty charts) etc.

### Technical Specification

*Note: The details below are for the Kinshofer KM634 range of Log Grabs only.*

*Please refer to the individual manufacturers' data sheets for capacities of other makes/models.*

<b>Model</b>	<b>Capacity</b>	<b>Width</b>	<b>Log-Ø</b>	<b>Max.</b>	<b>Weight</b>	<b>Closing</b>	<b>Load</b>
<b>KM634</b>	<b>(m<sup>2</sup>)</b>	<b>min.</b>	<b>max.</b>	<b>Opening</b>	<b>(kg)</b>	<b>force</b>	<b>capacity</b>
		<b>(mm)</b>	<b>(mm)</b>	<b>(mm)</b>		<b>(kN)</b>	<b>(kg)</b>
<b>- 0-25</b>	0.25	420	90	1470	170	13	4000
<b>- 0-35</b>	0.35	500	135	1950	225	16	5000
<b>- 0-50</b>	0.50	500	170	1985	250	15	5000
<b>- S0-40</b>	0.40	510	135	1950	270	16	6000
<b>- S0-50</b>	0.50	510	170	1985	275	16	7000
<b>- S0-70</b>	0.70	590	110	2570	530	15	8000