

The KM 632HPX with *HPXdrive Heavy Duty* for loading short logs, shrubbery, branches etc. A non-return valve secures constant pressure even in case of unexpected pressure drop. The revolutionary *HPXdrive*-technology guarantees a reliable and low maintenance attachment.

- ▷ **Reliability** of the *HPXdrive*! The movement of the arms of the grapple is generated by two hollow shafts, which run opposed and have a helix thread, hydraulically driven by a single piston. No more hydraulic cylinders!
- ▷ **Longer life cycle** up to 50%! **Self-lubrication:** The drive unit runs in a permanent oil bath. The compact design makes the *HPXdrive* resistant to dirt and debris.
- ▷ **Versatility** with different types of shells that can easily be refitted onto the driving unit.
- ▷ **Profitability** through low maintenance costs and longer life cycle.
- ▷ **Precise handling** with the gear-type KINSHOFER rotator and shells synchronised by the single piston turning both shafts of the *HPXdrive*.
- ▷ **Rotator with shaft** is available as an alternative, in case a quick change to a non-rotating hook is favoured.
- ▷ **Constant closing force** (31 kN at 32 MPa operating pressure) for the entire opening and closing process; high efficiency provided by hydro static bearings of the axes.



Package timber grapple KM 632HPX-HD with KINSHOFER flange rotator

| Type | Capacity (m ²) | Width E (mm) | Height C (mm) | Log-Ø D min. (mm) | Opening max. (mm) | Self weight (kg) | Closing force (kN at 32 MPa) | Load capacity (kg) |
|---------------------|-------------------------------|--------------------|---------------------|-------------------------|-------------------------|------------------------|------------------------------------|--------------------------|
| KM 632HPX-HD-0.16 c | 0,16 | 400 | 1010 | 170 | 1290 | 285 | 31 | 2000 |

Package consists of: timber grapple, rotator KM 04 F140-30V, upper suspension KM 501 (4500), non-return valve

HPX-KM 505 add also available with a shaft rotator and quick change system KM 505

HPX-KM 505 HD add for heavy duty tasks we recommend the quick change system KM 505 HD in combination with the KINSHOFER rotator KM 04 S68-30US

Package timber grapple KM 632HPX-HD/502 with KINSHOFER shaft rotator and reduction link

| Type | Capacity (m ²) | Width E (mm) | Height C (mm) | Log-Ø D min. (mm) | Opening max. (mm) | Self weight (kg) | Closing force (kN at 32 MPa) | Load capacity (kg) |
|-------------------------|-------------------------------|--------------------|---------------------|-------------------------|-------------------------|------------------------|------------------------------------|--------------------------|
| KM 632HPX-HD-0.16/502 c | 0,16 | 400 | 1065 | 170 | 1290 | 290 | 31 | 2000 |

Package consists of: timber grapple, rotator KM 04 S, reduction link KM 502 (4500), short connecting hoses KM 203 01, upper suspension KM 501 (4500), non-return valve

Accessories

| Type | Description |
|-----------|---|
| KM 204 01 | mobile part of hydraulic quick coupling for hose (Ø 10 mm, 2 pieces) |
| KM 204 03 | hydraulic quick change kit incl. mobile and fixed parts (2 pc. each) mounted to rotator |

Requirements of truck crane

Operating pressure at oil flow:

max. 32 MPa (320 bar) at 40 - max. 90 l/min **Mind the pressure!**

Technical drawings

