

The KM 613HPX with *HPXdrive Standard* for positioning and handling natural stones, curbstones etc. is an ideal tool for landscaping architecture. 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** (18 kN at 26 MPa operating pressure) over the entire opening and closing process.



### Package rock grapple KM 613HPX with **KINSHOFER** flange rotator

Type	Capacity (m <sup>2</sup> )	Width E (mm)	Height (mm)	max. Opening (mm)	Self weight (kg)	Closing force (kN)	Load capacity (kg)
<b>KM 613HPX-0.16 c</b>	0,16	400	1000	1200	235	18	1000

**Package consists of:** rock grapple, rotator KM 04 F140-30V, upper suspension KM 501 (4500), pressure relief valve, 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 rock grapple KM 613HPX/502 with **KINSHOFER** shaft rotator and reduction link

Type	Capacity (m <sup>2</sup> )	Width E (mm)	Height (mm)	max. Opening (mm)	Self weight (kg)	Closing force (kN)	Load capacity (kg)
<b>KM 613HPX-0.16/502 c</b>	0,16	400	1055	1200	240	18	1000

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

### Accessories

Type	Description
<b>KM 685 06 hook set 2</b>	welded hooks (2 pieces)
<b>KM 204 01</b>	mobile part of hydraulic quick coupling for hose (Ø 10 mm, 2 pieces)
<b>KM 204 03</b>	hydraulic quick change kit incl. mobile and fixed parts (2 pc. each) mounted to rotator

### Requirements of truck crane

#### Operating pressure at oil flow:

26 MPa (260 bar) at max. 75 l/min

26 - 37 MPa (260 - 370 bar) at max. 40 l/min

### Technical drawings

