

The KM 605U HPX is a powerful clamshell bucket using the HPXdrive Heavy Duty for handling and easy digging tasks. The open shells enable the handling of bulky materials. Non-return valve, welded hooks and reversible wear plates are delivered on each grapple. 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** (28 kN at 32 MPa operating pressure) over the entire opening and closing process; high efficiency provided by hydro static bearings of the axes.



### Packages clamshell bucket KM 605U HPX with **KINSHOFER** flange rotator

Type	Volume (litre)	Width E (mm)	Height (mm)	Opening max. (mm)	Self weight (kg)	Closing force (kN at 32 MPa)	Load capacity (kg)
KM 605U HPX-300 c	300	670	1115	1545	430	28	3000
KM 605U HPX-400 c	400	820	1115	1545	455	28	3000
KM 605U HPX-450 c	450	920	1115	1545	470	28	3000
KM 605U HPX-500 c	500	1020	1115	1545	485	28	3000

**Package consists of:** clamshell bucket, rotator KM 04 F140-30V, upper suspension KM 501 (4500), wear plates KM 685 07 set, welded hooks KM 685 06 hook set 2, 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

### Packages clamshell bucket KM 605U HPX/502 with **KINSHOFER** shaft rotator and reduction link

Type	Volume (litre)	Width E (mm)	Height (mm)	Opening max. (mm)	Self weight (kg)	Closing force (kN at 32 MPa)	Load capacity (kg)
KM 605U HPX-300/502 c	300	670	1170	1545	435	28	3000
KM 605U HPX-400/502 c	400	820	1170	1545	460	28	3000
KM 605U HPX-450/502 c	450	920	1170	1545	475	28	3000
KM 605U HPX-500/502 c	500	1020	1170	1545	490	28	3000

**Package consists of:** clamshell bucket, rotator KM 04 S, reduction link KM 502 (4500), short connecting hoses KM 203 01, upper suspension KM 501 (4500), wear plates KM 685 07, welded hooks KM 685 06 hook set 2, non-return valve

### Accessories

Type	Description
KM 685 05	adapters for compression rails (load capacity max. 250 kg, without compression rails)
KM 381 09 (720)	compression rails – length 720 mm (2 pieces)
KM 381 09 (1000)	compression rails – length 1000 mm (2 pieces)
KM 685 09 C	side plates to screw onto the grapple for easy digging tasks (4 pieces)
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

