

The KM 605U HPX-Z universal grapple with integrated flap rests flat and safe against the crane arm in its transport position. The special flap at the shell carrier allows to transport a large universal grapple, whereat the grapple does not protrude the carrier machine's width (2,55 m)\*, without any loss in loading volume. The flap is secured automatically by a robust pressure piece with rubber bump.

- ▷ **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.
- ▷ **Profitability** through low maintenance costs and longer life cycle.
- ▷ **Versatility** by different types of shells that can easily be refitted onto the driving unit.
- ▷ **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.
- ▷ **Precise handling** with the gear-type KINSHOFER rotator and shells synchronised by the single piston turning both shafts of the **HPXdrive**.



\* depending on crane kinematics and mounting

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

Type	Volume (litre)	Width E (mm)	Height (mm)	Opening max. A (mm)	Self weight (kg)	Closing force (kN at 32 MPa)	Load capacity (kg)
KM 605U HPX-Z-400 c	400	820	1145	1545	465	28	3000
KM 605U HPX-Z-450 c	450	920	1145	1545	480	28	3000
KM 605U HPX-Z-500 c	500	1020	1145	1545	495	28	3000
KM 605U HPX-Z-600 c	600	1220	1145	1545	525	28	3000

**Package consists of:** clamshell bucket with flap, rotator KM 06 F140-40, upper suspension KM 501 (6000), wear plates KM 685 07 set, 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-Z/502 with KINSHOFER shaft rotator and reduction link

Type	Volume (litre)	Width E (mm)	Height (mm)	Opening max. A (mm)	Self weight (kg)	Closing force (kN at 32 MPa)	Load capacity (kg)
KM 605U HPX-Z-400/502 c	400	820	1215	1545	470	28	3000
KM 605U HPX-Z-450/502 c	450	920	1215	1545	485	28	3000
KM 605U HPX-Z-500/502 c	500	1020	1215	1545	500	28	3000
KM 605U HPX-Z-600/502 c	600	1220	1215	1545	530	28	3000

**Package consists of:** clamshell bucket with flap, rotator KM 06 S, upper suspension KM 501 (6000), reduction link KM 502 (6000), short hoses KM 203 01, wear plates KM 685 07, non-return valve

### Accessories

Typ	Description
KM 685 06 hook set 2	welded hooks (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

