

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, whereas the grapple does not protrude the carrier machine's width (100.4 in)\* - without any loss in loading volume. The flap is secured automatically by a robust pressure piece with rubber bump.

\* depending on crane kinematics and mounting

- ▷ **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 cylinder!**
- ▷ **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 with different types of shells that can easily be refitted onto the driving unit.
- ▷ **Constant closing force** (6,160 lbf at 4,600 psi 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.



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

Type	Volume (c.y.)	Width E (in)	Height (in)	Opening max. A (in)	Self weight (lbs)	Closing force (lbf @4,600 psi)	Load capacity (lbs)
KM 605U HPX-Z-400 c	0.52	32.3	45.1	60.8	1,023	6,160	6,600
KM 605U HPX-Z-450 c	0.58	36.2	45.1	60.8	1,056	6,160	6,600
KM 605U HPX-Z-500 c	0.65	40.2	45.1	60.8	1,089	6,160	6,600
KM 605U HPX-Z-600 c	0.78	48.0	45.1	60.8	1,155	6,160	6,600

**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

### Accessories

Typ	Description
KM 685 06 eye / hook set 2	welded eyes / 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 0.39 in, 2 pieces)
KM 204 03	hydraulic quick change kit incl. mobile and fixed parts (2 pieces each) mounted with adapters to rotator

### Requirements of truck crane

**Operating pressure:** max. 32 MPa (4,600 psi)  
**Recommended oil flow:** 10.5 - max. 24 GPM **Mind the pressure!**

### Technical drawings (here with 4t-rotator)

KM 605U HPX-Z-500

