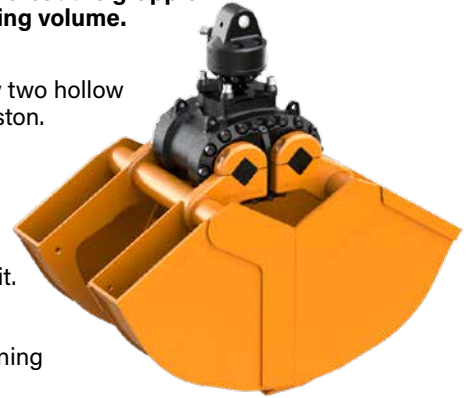


# KM 605HPX-Z

# Heavy Duty Clamshell Bucket with *HPXdrive*

The KM 605 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 (100.4 in)\* - 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** with different types of shells that can easily be refitted onto the driving unit.
- ▷ **Precise handling** with the gear-type KINSHOFER rotator and shells synchronised by the single piston turning both shafts of the HPXdrive.
- ▷ **Constant closing force** (7480 lbf at 4600 psi operating pressure) over the entire opening and closing process; high efficiency provided by hydro static bearings of the axes.



\* depending on crane kinematics and mounting

Package Clamshell Bucket KM 605HPX-Z with <b>KINSHOFER</b> Flange Rotator							
Type	Volume (c.y.)	Width E (in)	Height (in)	Opening A max. (in)	Self weight (lbs)	Closing force (lbf at 4600 psi)	Load capacity (lbs)
KM 605HPX-Z-240 c	0.31	19.70	39.75	55.90	814	7480	6600
KM 605HPX-Z-300 c	0.39	25.60	39.75	55.90	880	7480	6600
KM 605HPX-Z-370 c	0.48	31.50	39.75	55.90	946	7480	6600
KM 605HPX-Z-460 c	0.60	39.35	39.75	55.90	1023	7480	6600

**Package consists of:** clamshell bucket with flap, bolt-on teeth, rotator KM 04 F140-30V, upper suspension KM 501 4500, non-return valve

**Please note:**

- the KM 605HPX-Z is also available with a shaft rotator and quick change system KM 505
- for heavy duty tasks we recommend the quick change system KM 505 HD in combination with the KINSHOFER rotator KM 04 S68-30US

Package Clamshell Bucket KM 605HPX-Z/502 with <b>KINSHOFER</b> Rotator with Shaft and Reduction Link							
Type	Volume (c.y.)	Width E (in)	Height (in)	Opening A max. (in)	Self weight (lbs)	Closing force (lbf at 4600 psi)	Load capacity (lbs)
KM 605HPX-Z-240/502 c	0.31	19.70	41.95	60.80	825	7480	6600
KM 605HPX-Z-300/502 c	0.39	25.60	41.95	60.80	891	7480	6600
KM 605HPX-Z-370/502 c	0.48	31.50	41.95	60.80	957	7480	6600
KM 605HPX-Z-460/502 c	0.60	39.35	41.95	60.80	1023	7480	6600

**Package consists of:** clamshell bucket with flap, bolt-on teeth, 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:
KM 685 05	adapters for compression rails (Load capacity max. 550 lbs, without compression rails)
KM 685 06 hook set 2	welded hooks (2 pieces)
KM 685 07 set	wear plates to protect horizontal cutting edges (2 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 pieces each) mounted with adapters to rotator

### Requirements of Truck Crane

**Operating pressure at oil flow:**  
max. 4600 psi at 10.5 - max. 24 GPM

⚠ **Mind the pressure!**

### Technical Drawings

