

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 (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** 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** (34 kN at 32 MPa 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

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

Type	Volume (litre)	Width E (mm)	Height (mm)	Opening A max. (mm)	Self weight (kg)	Closing force (kN at 32 MPa)	Load capacity (kg)
KM 605HPX-Z-240 c	240	500	1010	1420	370	34	3000
KM 605HPX-Z-300 c	300	650	1010	1420	400	34	3000
KM 605HPX-Z-370 c	370	800	1010	1420	430	34	3000
KM 605HPX-Z-460 c	460	1000	1010	1420	465	34	3000

Package consists of: clamshell bucket with flap, bolt-on teeth, rotator KM 04 F140-30V, upper suspension KM 501 (4500), 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 605HPX-Z/502 with KINSHOFER shaft rotator and reduction link

Type	Volume (litre)	Width E (mm)	Height (mm)	Opening A max. (mm)	Self weight (kg)	Closing force (kN at 32 MPa)	Load capacity (kg)
KM 605HPX-Z-240/502 c	240	500	1065	1545	375	34	3000
KM 605HPX-Z-300/502 c	300	650	1065	1545	405	34	3000
KM 605HPX-Z-370/502 c	370	800	1065	1545	435	34	3000
KM 605HPX-Z-460/502 c	460	1000	1065	1545	465	34	3000

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. 250 kg, 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 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

