

A powerful clamshell bucket with the *HPXdrive Heavy Duty* manages even difficult tasks thanks to its high closing force – ideal for digging and handling. 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** (34 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 605HPX with **KINSHOFER** flange rotator

Type	Volume (litre)	Width E (mm)	Height C max. (mm)	Opening A max. (mm)	Number of teeth	Self weight (kg)	Closing force (kN at 32 MPa)	Load capacity (kg)
KM 605HPX-200 c	200	400	1035	1420	4	335	34	3000
KM 605HPX-250 c	250	500	1035	1420	4	360	34	3000
KM 605HPX-350 c	350	650	1035	1420	6	390	34	3000
KM 605HPX-450 c	450	800	1035	1420	6	420	34	3000
KM 605HPX-550 c	550	1000	1035	1420	8	455	34	3000

Package consists of: clamshell bucket, 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/502 with **KINSHOFER** shaft rotator and reduction link

Type	Volume (litre)	Width E (mm)	Height C max. (mm)	Opening A max. (mm)	Number of teeth	Self weight (kg)	Closing force (kN at 32 MPa)	Load capacity (kg)
KM 605HPX-200/502 c	200	400	1090	1420	4	340	34	3000
KM 605HPX-250/502 c	250	500	1090	1420	4	365	34	3000
KM 605HPX-350/502 c	350	650	1090	1420	6	395	34	3000
KM 605HPX-450/502 c	450	800	1090	1420	6	425	34	3000
KM 605HPX-550/502 c	550	1000	1090	1420	8	460	34	3000

Package consists of: clamshell bucket, 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 680 01	scraper
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 685 08 HPX-450	extension for excavating e.g. trenches (for canal and civil engineering) – 450 mm (30 kg)
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

