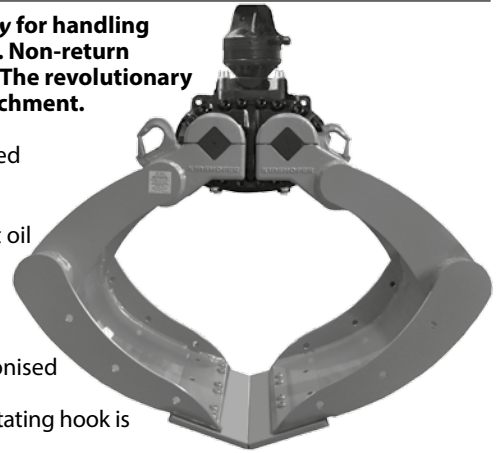


KM 605U HPX

Heavy Duty Clamshell Bucket with Open Shells and *HPXdrive*

The KM 605U HPX is a powerful clamshell bucket using the *HPXdrive Heavy Duty* for handling and easy digging tasks. The open shells enable the handling of bulky materials. Non-return valve, welded hooks and reversible wear plates are delivered on each grapple. The revolutionary *HPXdrive* technology guarantees a reliable and virtually maintenance free 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 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.
- 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** (28 kN at 32 MPa operating pressure) over the entire opening and closing process; high efficiency provided by hydro static bearings of the axes.



Package Clamshell Bucket KM 605U HPX with **KINSHOFER** Flange Rotator

Type	Volume	Width E	Height	max. Opening	Number of teeth (optional)	Self weight (kg)	Closing force (kN at 32 MPa)	Load capacity (kg)
	(litre)	(mm)	(mm)	(mm)				
KM 605U HPX-300 c	300	670	1115	1545	5	430	28	3000
KM 605U HPX-400 c	400	820	1115	1545	7	455	28	3000
KM 605U HPX-450 c	450	920	1115	1545	7	470	28	3000
KM 605U HPX-500 c	500	1020	1115	1545	9	485	28	3000

Package consists of: clamshell bucket, rotator KM 04 F140-30V, upper suspension KM 501 4500, wear plates KM 685 07 set, welded hooks KM 685 06 hook set 2, non-return valve

Please note: - optional the grapple is available with bolt-on teeth
- the KM 605U HPX is also available with a shaft rotator and quick change system KM 505

Note: - 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 605U HPX/502 with **KINSHOFER** Rotator with Shaft and Reduction Link

Type	Volume	Width E	Height	max. Opening	Number of teeth (optional)	Self weight (kg)	Closing force (kN at 32 MPa)	Load capacity (kg)
	(litre)	(mm)	(mm)	(mm)				
KM 605U HPX-300/502 c	300	670	1170	1545	5	435	28	3000
KM 605U HPX-400/502 c	400	820	1170	1545	7	460	28	3000
KM 605U HPX-450/502 c	450	920	1170	1545	7	475	28	3000
KM 605U HPX-500/502 c	500	1020	1170	1545	9	490	28	3000

Package consists of: clamshell bucket, rotator KM 04 S, reduction link KM 502 4500, short connecting hoses KM 203 01, upper suspension KM 501 4500, wear plates KM 685 07, welded hooks KM 685 06 hook set 2, non-return valve

Accessories

Type	Description
KM 685 05	adapters for mounting of compression rails (non-return valve necessary)
KM 381 09 720	compression rails – length 720 mm (2 pieces)
KM 381 09 1000	compression rails – length 1000 mm (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 pieces each) mounted with adapters to rotator

Requirements of Truck Crane

Operating pressure: max. 32 MPa (320 bar)
Pump capacity: 40 - 90 l/min

Technical Drawings

