

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 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 cylinder!**
- ▷ **Longer life cycle up to 50%!** The drive unit runs in a permanent oil bath – no lubrication service is necessary. 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.
- ▷ **Rotator with shaft** is available as an alternative, in case a quick change to a non-rotating hook is favoured.
- ▷ **Constant closing force** (6,600 lbf at 4,600 psi operating pressure) for 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 (c.y.)	Width B (in)	Height (in)	Opening max. (in)	Number of teeth (optional)	Self weight (lbs)	Closing force (lbf @4,600 psi)	Load capacity (lbs)
KM 605U HPX-300 c	0.39	26.5	44	61	5	946	6,600	6,600
KM 605U HPX-400 c	0.52	32.5	44	61	7	1,001	6,600	6,600
KM 605U HPX-450 c	0.59	36.0	44	61	7	1,034	6,600	6,600
KM 605U HPX-500 c	0.65	40.0	44	61	9	1,067	6,600	6,600

Package consists of: clamshell bucket, rotator KM 06 F140-40, upper suspension KM 501 6000, 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

Accessories

Type	Description
KM 685 05	adapters for mounting of compression rails (non-return valve necessary)
KM 381 09 720	compression rails – length 28.4 in (2 pieces)
KM 381 09 1000	compression rails – length 39.4 in (2 pieces)
KM 685 09 C	side plates to screw onto the grapple for easy digging tasks (4 pieces)

Requirements of truck crane

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

Technical drawings (here with 4t-rotator)

