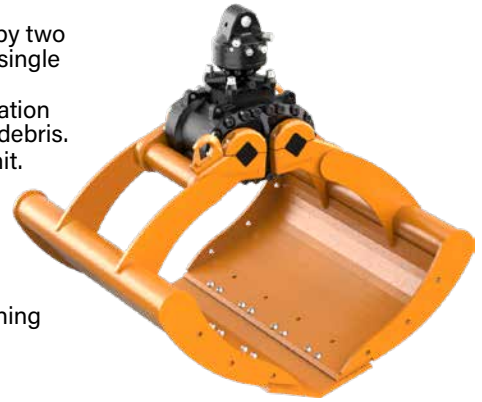


KM 605U HPX

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%!** 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** (6600 lbf at 4600 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	Width B	Height	Max. Opening	Number of teeth (optional)	Self weight (lbs)	Closing force (lbf at 4600 psi)	Load capacity (lbs)
	(c.y.)	(in)	(in)	(in)				
KM 605U HPX-300 c	0.39	26.5	44	61	5	946	6600	6600
KM 605U HPX-400 c	0.52	32.5	44	61	7	1001	6600	6600
KM 605U HPX-450 c	0.59	36	44	61	7	1034	6600	6600
KM 605U HPX-500 c	0.65	40	44	61	9	1067	6600	6600

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
- KM 605U HPX is also available with a shaft rotator and quick change system KM 505
- for heavy duty tasks we recommend to use quick change KM 505 HD with rotator KM 04 S68-30US

Package Clamshell Bucket KM 605U HPX/502 with **KINSHOFER** Rotator with Shaft and Reduction Link

Type	Volume	Width B	Height	Max. Opening	Number of teeth (optional)	Self weight (lbs)	Closing force (lbf at 4600 psi)	Load capacity (lbs)
	(c.y.)	(in)	(in)	(in)				
KM 605U HPX-300/502 c	0.39	26.5	46	61	5	957	6600	6600
KM 605U HPX-400/502 c	0.52	32.5	46	61	7	1012	6600	6600
KM 605U HPX-450/502 c	0.59	36	46	61	7	1045	6600	6600
KM 605U HPX-500/502 c	0.65	40	46	61	9	1078	6600	6600

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 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)
KM 204 01	mobile part of hydraulic quick coupling for hose (Ø 0.39 in, 2 pieces)
KM 204 02	fixed part of hydraulic quick coupling for rotator (Ø 0.39 in, 2 pieces)

Requirements of Truck Crane

Operating pressure at oil flow:

max. 32 MPa (4600 psi) at 10.5 - max. 24 GPM

Technical Drawings

