

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 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** (7480 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 605HPX with KINSHOFER Flange Rotator									
Type	Volume	Width A	Height	max. Opening	Number of teeth	Self weight	Closing force	Load capacity	
	(c.y.)	(in)	(in)	(in)		(lbs)	(lbf at 4600 psi)	(lbs)	
KM 605HPX-200 c	0.26	16	41	56	4	737	7480	6600	
KM 605HPX-250 c	0.33	20	41	56	4	792	7480	6600	
KM 605HPX-350 c	0.46	26	41	56	6	858	7480	6600	
KM 605HPX-450 c	0.59	32	41	56	6	924	7480	6600	
KM 605HPX-550 c	0.72	39	41	56	8	1001	7480	6600	

Package consists of: clamshell bucket, bolt-on teeth, rotator KM 04 F140-30V, upper suspension KM 501 4500, non-return valve

Please note:
 – the KM 605HPX 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 605HPX/502 with KINSHOFER Rotator with Shaft and Reduction Link									
Type	Volume	Width A	Height	max. Opening	Number of teeth	Self weight	Closing force	Load capacity	
	(c.y.)	(in)	(in)	(in)		(lbs)	(lbf at 4600 psi)	(lbs)	
KM 605HPX-200/502 c	0.26	16	43	56	4	748	7480	6600	
KM 605HPX-250/502 c	0.33	20	43	56	4	803	7480	6600	
KM 605HPX-350/502 c	0.46	26	43	56	6	869	7480	6600	
KM 605HPX-450/502 c	0.59	32	43	56	6	935	7480	6600	
KM 605HPX-550/502 c	0.72	39	43	56	8	1012	7480	6600	

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
KM 685 06 HPX HD	central lifting device
KM 685 07 set	wear plates to protect horizontal cutting edges (2 pieces)
KM 685 08	extension for excavating e.g. trenches (for canal and civil engineering) – 18 in (66 lbs)
KM 204 01	mobile part of hydraulic quick coupling for hose (Ø 0.4 in, 2 pieces)
KM 204 02	fixed part of hydraulic quick coupling for rotator (Ø 0.4 in, 2 pieces)

Requirements of Truck Crane

Operating pressure at oil flow:
 max. 4600 psi at 10.5 - max. 24 GPM
 ⚠ **Mind the pressure!**

Technical Drawings

