

Clamshell Bucket with *HPXdrive*

KM 604HPX

An allround clamshell bucket using the *HPXdrive Standard* for digging and handling, the KM 604HPX is ideal for the daily routine work. 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 cylinders!
- **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** (4180 lbf at 3770 psi operating pressure) for the entire opening and closing process.



Package Clamshell Bucket KM 604HPX 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)	(lbs)
KM 604HPX-200 c	0.26	16	40	55	4	638	4180	6600
KM 604HPX-250 c	0.33	20	40	55	4	671	4180	6600
KM 604HPX-325 c	0.43	24	40	55	6	704	4180	6600
KM 604HPX-350 c	0.46	26	40	55	6	715	4180	6600
KM 604HPX-450 c	0.59	32	40	55	6	748	4180	6600

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

Please note:
 – the KM 604HPX 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 604HPX/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)	(lbs)
KM 604HPX-200/502 c	0.26	16	42	55	4	649	4180	6600
KM 604HPX-250/502 c	0.33	20	42	55	4	682	4180	6600
KM 604HPX-325/502 c	0.43	24	42	55	6	715	4180	6600
KM 604HPX-350/502 c	0.46	26	42	55	6	726	4180	6600
KM 604HPX-450/502 c	0.59	32	42	55	6	759	4180	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 SD	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: 3744 to 5328 psi
Pump capacity: 6.6 to 19.8 GPM

! Pump capacity / Operating pressure
 > 10.56 GPM / 3744 psi
 ≤ 10.56 GPM / 4608 psi

Technical Drawings

