

The KM 605U HPX Refuse 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. 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** (4800 lbf at 4600 psi operating pressure) for the entire opening and closing process; high efficiency provided by hydro static bearings of the axes.



Package Refuse Grapple KM 605U HPX Refuse with KINSHOFER Flange Rotator							
Type	Volume	Width B	Height C	max. Opening A	Self weight	Closing force	Load capacity
	(c.y.)	(in)	(in)	(in)	(lbs)	(lbf at 4600 psi)	(lbs)
KM 605U HPX Refuse-420 c	0.55	39.40	42	60	915	4800	6600
KM 605U HPX Refuse-510 c	0.67	48.00	42	60	970	4800	6600
KM 605U HPX Refuse-660 c	0.86	39.40	51	78	1015	3700	6600

Package consists of: refuse grapple with open shells, KINSHOFER rotator KM 04 F140-30V, upper suspension KM 501 4500, non-return valve

Please note:
 - KM 605U HPX Refuse is also available with a KINSHOFER 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 Refuse Grapple KM 605U HPX Refuse/502 with KINSHOFER Shaft Rotator and Reduction Link							
Type	Volume	Width B	Height C	max. Opening A	Self weight	Closing force	Load capacity
	(c.y.)	(in)	(in)	(in)	(lbs)	(lbf at 4600 psi)	(lbs)
KM 605U HPX-420/502 c	0.55	39.40	45	60	930	4800	6600
KM 605U HPX-510/502 c	0.67	48.00	45	60	985	4800	6600
KM 605U HPX-660/502 c	0.86	39.40	54	78	1030	3700	6600

Package consists of: refuse grapple with open shells, KINSHOFER rotator KM 04 S, reduction link KM 502 4500, short connecting hoses KM 203 01, upper suspension KM 501 4500, non-return valve

Accessories

Type	Description
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: max. 4600 psi
Oil flow: 10.5 - max. 24 GPM

Technical Drawings

