

Clamshell Bucket with Open Shells for Z-Cranes

KM 605U HPX-Z

The KM 605U HPX-Z universal grapple with integrated flap rests flat and safe against the crane arm in its transport position. The special flap at the shell carrier allows to transport a large universal grapple, whereas the grapple does not protrude the carrier machine's width (100.39 in)* - without any loss in loading volume. The flap is secured automatically by a robust pressure piece with rubber bump.

- ▷ **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%! **Self-lubrication:** The drive unit runs in a permanent oil bath. The compact design makes the HPXdrive resistant to dirt and debris.
- ▷ **Profitability** through low maintenance costs and longer life cycle.
- ▷ Versatility with different types of shells that can easily be refitted onto the driving unit.
- ▷ **Constant closing force** (6160 lbf at 4600 psi operating pressure) over the entire opening and closing process; high efficiency provided by hydro static bearings of the axes.
- ▷ **Precise handling** with the gear-type KINSHOFER rotator and shells synchronised by the single piston turning both shafts of the HPXdrive.



* depending on crane kinematics and mounting

Package Clamshell Bucket KM 605U HPX-Z with KINSHOFER Flange Rotator

Type	Volume	Width E	Height	max. Opening A	Self weight	Closing force	Load capacity
	(c.y.)	(in)	(in)	(in)	(lbs)	(lbf at 4600 psi)	(lbs)
KM 605U HPX-Z-400 c	0.52	32.28	45.07	60.82	1023	6160	6600
KM 605U HPX-Z-450 c	0.58	36.22	45.07	60.82	1056	6160	6600
KM 605U HPX-Z-500 c	0.65	40.15	45.07	60.82	1089	6160	6600
KM 605U HPX-Z-600 c	0.78	48.03	45.07	60.82	1155	6160	6600

Package consists of: clamshell bucket with flap, rotator KM 06 F140-40, upper suspension KM 501 6000, wear plates KM 685 07 set, non-return valve

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

Type	Volume	Width E	Height	max. Opening A	Self weight	Closing force	Load capacity
	(c.y.)	(in)	(in)	(in)	(lbs)	(lbf at 4600 psi)	(lbs)
KM 605U HPX-Z-400/502 c	0.52	32.28	47.83	60.82	1034	6160	6600
KM 605U HPX-Z-450/502 c	0.58	36.22	47.83	60.82	1067	6160	6600
KM 605U HPX-Z-500/502 c	0.65	40.15	47.83	60.82	1100	6160	6600
KM 605U HPX-Z-600/502 c	0.78	48.03	47.83	60.82	1166	6160	6600

Package consists of: clamshell bucket with flap, rotator KM 06 S, upper suspension KM 501 6000 , reduction link KM 502 6000, short hoses KM 203 01, wear plates KM 685 07, non-return valve

Accessories

Type	Description
KM 685 06 eye / hook set 2	welded eyes / welded hooks (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 03	hydraulic quick change kit incl. mobile and fixed parts (2 pieces each) mounted with adapters to rotator

Requirements of Truck Crane

Operating pressure: max. 4600 psi
Recommended oil flow: 10.5 - max. 24 GPM

Technical Drawings

KM 605U HPX-Z-500

