

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, whereat the grapple does not protrude the carrier machine's width (2,55 m)*, 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 cylinders!
- **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** by different types of shells that can easily be refitted onto the driving unit.
- **Constant closing force** (28 kN at 32 MPa 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

Packages clamshell bucket KM 605U HPX-Z with KINSHOFER flange rotator

| Type | Volume (litre) | Width E (mm) | Height (mm) | Opening max. A (mm) | Self weight (kg) | Closing force (kN at 32 MPa) | Load capacity (kg) |
|---------------------|-------------------|--------------------|----------------|---------------------------|------------------------|------------------------------------|--------------------------|
| KM 605U HPX-Z-400 c | 400 | 820 | 1145 | 1545 | 465 | 28 | 3000 |
| KM 605U HPX-Z-450 c | 450 | 920 | 1145 | 1545 | 480 | 28 | 3000 |
| KM 605U HPX-Z-500 c | 500 | 1020 | 1145 | 1545 | 495 | 28 | 3000 |
| KM 605U HPX-Z-600 c | 600 | 1220 | 1145 | 1545 | 525 | 28 | 3000 |

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

HPX-KM 505 add also available with a shaft rotator and quick change system KM 505

HPX-KM 505 HD add for heavy duty tasks we recommend the quick change system KM 505 HD in combination with the KINSHOFER rotator KM 04 S68-30US

Packages clamshell bucket KM 605U HPX-Z/502 with KINSHOFER shaft rotator and reduction link

| Type | Volume (litre) | Width E (mm) | Height (mm) | Opening max. A (mm) | Self weight (kg) | Closing force (kN at 32 MPa) | Load capacity (kg) |
|-------------------------|-------------------|--------------------|----------------|---------------------------|------------------------|------------------------------------|--------------------------|
| KM 605U HPX-Z-400/502 c | 400 | 820 | 1215 | 1545 | 470 | 28 | 3000 |
| KM 605U HPX-Z-450/502 c | 450 | 920 | 1215 | 1545 | 485 | 28 | 3000 |
| KM 605U HPX-Z-500/502 c | 500 | 1020 | 1215 | 1545 | 500 | 28 | 3000 |
| KM 605U HPX-Z-600/502 c | 600 | 1220 | 1215 | 1545 | 530 | 28 | 3000 |

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

| Typ | Description |
|----------------------|---|
| KM 685 06 hook set 2 | 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 10 mm, 2 pieces) |
| KM 204 03 | hydraulic quick change kit incl. mobile and fixed parts (2 pc. each) mounted to rotator |

Requirements of truck crane

Operating pressure at oil flow:

max. 32 MPa (320 bar) at 40 - max. 90 l/min

⚠ Mind the pressure!

Technical drawings

