

Demolition and Sorting Grabs with *HPXdrive* D03HPX/D05HPX/D09HPX

Demolition and sorting grab with the maintenance-free *HPXdrive* for excavators up to 3t/ 5t/ 9t operating weight – the universal tool for all kind of light demolition and sorting work.

- **HPXdrive** – the revolutionary concept for hydraulically operated grabs! The rotation of the arms of the grab is generated by two hollow shafts, which run opposed and have a helix thread, hydraulically driven by a single piston. No hydraulic cylinder required!
- 50% longer life cycle. The drive unit runs in a permanent oil bath – no lubrication necessary. Resistant against dirt and blows, due to the compact design.
- Constant closing forces during the entire operation.
- Different applications possible through easy exchange system.
- The perforated skin of the shells lets fine dust and gravel through – without larger pieces blocking the shell filter system.
- Integrated non-return valve guarantees secure retention of the loads.
- Long life is ensured due to the use of 500 HB steel in the manufacture of cutting edges (usable both sides).



D09HPX

Demolition and Sorting Grabs D03HPX / D05HPX / D09HPX

Type	Width	Opening range	Height	Volume	Self weight	Load capacity	Closing force	Operating weight
	B (mm)	A (mm)	C (mm)					
D03HPX-40	400	975	820	60	260	1000	26	3
D05HPX-50	500	1135	920	100	335	1000	24	3 - 5
D09HPX-60	600	1400	1010	150	380	1000	18	5 - 9

Package consists of: demolition and sorting grab, **KINSHOFER** rotator, non-return valve, cutting edges

KINSHOFER Rotators

Integrated in a single unit with the HPXdrive, no more connecting hoses. Continuous rotation. Overload protection ensured by pressure relief valves.

Type	Upper connection (width/Ø-hole pattern) (mm)	Torque (Nm)	Moment of deflection max. (Nm)
D03HPX: KM 06 F173/180	6 x M16 / Ø 180	1000	8500
D05HPX: KM 10 F173/180	6 x M16 / Ø 180	2000	12000
D09HPX: KM 15 F273/273	10 x M16 / Ø 273	2000	50000

Accessories

Type	Description
KM 691 8t	adapter connection plate for specific solutions – up to 8t
KM 690 8t	adapter for rigid mounting – up to 8t
OQ45	bolt-on-adapter for Oilquick OQ45 – 5t to 12t
SW03 rigid	bolt-on-adapter for Lehnhoff grab exchange system SW/MS03 with SW03 – up to 5t
SW08 rigid	bolt-on-adapter for Lehnhoff grab exchange system SW/MS08 with SW08 – up to 12t
	adapter for quick exchange systems from other manufacturers available
KM 980-2 2-8t	solenoid valve for additional oil circuit, up to 25 MPa, ready for mounting for self installation
KM 980-2 2-8t c	solenoid valve for additional oil circuit, up to 25 MPa, incl. assembly parts and mounting

Requirements of Excavator

Operating pressure: **max. 32 MPa (320 bar), internal working pressure of 26 MPa (260 bar)**
 Pump capacity: 40 - 75 l/min

Technical Drawings

