

Demolition and Sorting Grabs with *HPXdrive* D02HPX / D04HPX / D06HPX

The new demolition and sorting grabs with the low maintenance *HPXdrive* for excavators up to 2t / 4,400lbs, 4t / 8,800lbs or 6t / 13,200lbs 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.
- ▷ New **improved shell design!** The perforated skin of the shells lets dust and fine gravel through – without larger pieces blocking the shell filter system.
- ▷ Including the new, flat 10t-rotator with **360° endless rotation** for precise positioning!
- ▷ **Constant closing force** (D02: 14 kN / 3,147 lbf at 21 MPa / 3,024 psi; D04: 18 kN / 3,960 lbf at 25 MPa / 3,620 psi and D06: 18 kN / 3,960 lbf at 26 MPa / 3,770 psi) during the entire operation.
- ▷ Different applications possible thanks to easy **shell exchange system (from D04HPX)**.
- ▷ Robust due to the use of cutting edge material 500 HB steel. **Cutting edges usable both sides.**



Demolition and Sorting Grab D02HPX / D04HPX / D06HPX

Type	Width (mm/in)	Opening A (mm/in)	Height C max. (mm/in)	Volume (liter/c.y.)	Weight (kg/lbs)	Load capacity* (kg/lbs)	Operating weight (t/lbs)
D02HPX-30	320 / 12.6	888 / 35.0	463 / 18.2	21 / 0.03	90.5 / 199	1,000 / 2,200	1 - 2.7 / 2,200 - 5,940
D04HPX-40	420 / 16.5	1,045 / 41.1	812 / 31.9	75 / 0.10	280 / 616	1,500 / 3,300	2 - 4 / 4,400 - 8,800
D06HPX-45	470 / 18.8	1,350 / 53.1	970 / 38.1	150 / 0.20	340 / 748	2,000 / 4,400	4 - 6 / 8,800 - 13,200

*) the load capacity indicated depends on the characteristics of the load (surface, largeness etc.)

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

KINSHOFER Rotator

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

Type	Upper dimension (hole/Ø-hole pattern) (mm/in)	Torque (Nm/ft.lb)	Bending moment max. (Nm/ft.lb)
D02HPX: KM 04 F140/150	10 x M 12 / Ø 150 / 5.9	850 / 627	3,000 / 2,213
D04HPX - D06HPX: KM 10 F214/180	6 x M16; Ø 180 / 7.0	1,000 / 737	12,000 / 8,850

Accessories

Type	Description
KM 691	adapter plate for specific solutions
KM 690	adapter for rigid mounting
KSW rigid	bolt-on adapter for system L-Lock
	adapters for quick change systems from other manufacturers or different sizes on request
KM 980-2 2t-8t c	solenoid valve for additional circuit, up to 26MPa / 3,770psi, incl. parts and mounting
KM 685 05-D02-A02	4-Grip for D02/A02 (load capacity: 350 kg / 770 lbs)
KM 685 05-D04-A04	4-Grip for D04/A04 (load capacity: 600 kg / 1,320 lbs)
KM 685 05-D06/09-A06/09	4-Grip for D06/A06 (load capacity: 600 kg / 1,320 lbs) and D09/A09 (load capacity: 900 kg / 1,980 lbs)

Requirements of carrier machine

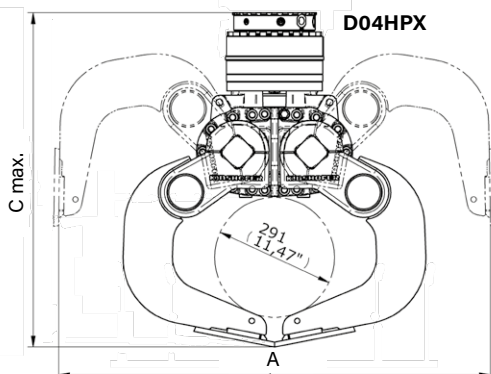
Operating pressure at pump capacity (open/close):

D02HPX: 21 MPa (210 bar) at max. 40 l/min / 3,024 psi at max. 10.6 GPM	D04HPX: 19 MPa (190 bar) at max. 75 l/min / 2,740 psi at max. 20 GPM	D06HPX: 26 MPa (260 bar) at max. 75 l/min / 3,745 psi at max. 20 GPM
	D04HPX: 19 - 32 MPa (190 - 320 bar) at max. 40 l/min / 2,740 - 4,640 psi at max. 10.6 GPM	D06HPX: 26 - 32 MPa (260 - 320 bar) at max. 40 l/min / 3,745 - 4,640 psi at max. 10.6 GPM

Operating pressure at pump capacity (rotate):

D02HPX: 32 MPa (320 bar) at 10 - 40 l/min / 4,640 psi at 2.6 - 10.6 GPM	D04HPX: 32 MPa (320 bar) at 15 - 50 l/min / 4,640 psi at 4 - 13 GPM	D06HPX: 32 MPa (320 bar) at 20 - 50 l/min / 4,640 psi at 5.3 - 13 GPM
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Technical drawings



optional 4-Grip gripping device, here mounted to a D04HPX



free extension of warranty
kinshofer.com/service