

Universal clamshell bucket with the *HPXdrive* for compact excavators from 3t/6,600lbs to 6t/13,200lbs operating weight - low maintenance.

- ▷ ***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 digging process (25 kN / 5,500 lbf at an internal operating pressure of 26 MPa / 3,770 psi; varies depending on width).
- ▷ Different applications possible thanks to **shell exchange system.**
- ▷ **Long life** is ensured due to the use of 500 HB steel in the manufacture of cutting edges.



Clamshell Bucket C05HPX

Type	Width E (mm/in)	Opening A (mm/in)	Height C max. (mm/in)	Volume (liter/c.y.)	Number of teeth	Weight (kg/lbs)	Load capacity (kg/lbs)
C05HPX-40	400 / 15.7	1,110 / 43.7	880 / 34.6	115 / 0.15	4	270 / 594	3,000 / 6,600
C05HPX-45	450 / 17.7	1,110 / 43.7	880 / 34.6	130 / 0.17	4	285 / 627	3,000 / 6,600
C05HPX-50	500 / 19.6	1,110 / 43.7	880 / 34.6	140 / 0.18	4	290 / 638	3,000 / 6,600
C05HPX-60	600 / 23.6	1,110 / 43.7	880 / 34.6	170 / 0.22	6	305 / 671	3,000 / 6,600
C05HPX-80	800 / 31.4	1,110 / 43.7	880 / 34.6	230 / 0.30	6	330 / 726	3,000 / 6,600

Package consists of: clamshell bucket, bolt-on teeth, **KINSHOFER** rotator, non-return valve and hose protection

Note: exchangeable shells see page 50 in this catalog. Special shells on request

KINSHOFER Rotator

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

Type	Upper dimension (width x pin-Ø) (mm/in)	Torque (Nm/ft.lbs)	Bending moment max. (Nm/ft.lbs)
KM 04 F140-30VE	84 x 30 / 3.31 x 1.18	850 / 626	3,000 / 2,212

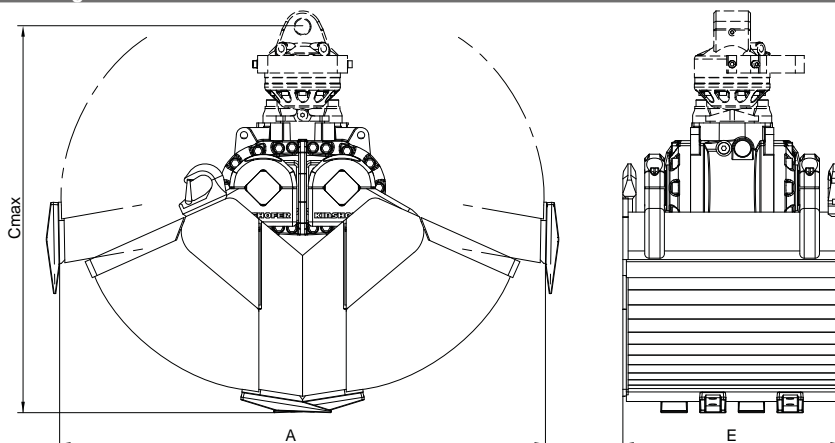
Accessories

Type	Description
KM 501 1t-8t	upper suspension without pendulum damper
KM 511 1t-8t	upper suspension with pendulum damper
KM 510 1t-8t	single pendulum damper to upgrade the upper suspension KM 501 1t-8t / 2,200-17,600lbs
KSW03 cardanic	adapter for system L-Lock KMS03L/KHS03L incl. cardan link excl. pendulum damper - up to 6t / 13,200lbs
KSW03 cardanic-P	adapter for system L-Lock KMS03L/KHS03L incl. cardan link incl. pendulum damper - up to 6t / 13,200lbs
	adapters for quick change systems from other manufacturers or different sizes on request
KM 680 5t-8t	scraper
KM 685 06E hook set 2	welded hooks (2 pcs.)
KM 685 07E set	wear plates to protect cutting edges
KM 685 08 HPX 450E	digging extension for channel construction - 450mm / 17.7in (60kg / 132lbs)

Requirements of carrier machine

Operating pressure at pump capacity (open/close):	Operating pressure at pump capacity (rotate):
26 MPa (260 bar) at max. 75 l/min / 3,745 psi at max. 20 GPM	32 MPa (320 bar) at 15 - max. 50 l/min / 4,640 psi at 4 - max. 13 GPM
26 - 32 MPa (260 - 320 bar) at max. 40 l/min / 3,745 - 4,640 psi at max. 10.6 GPM	

Technical drawings



free extension
of warranty
kinshofer.com/service