

C40VHD / C60VHD

Re-handling Clamshell Buckets

Durable Re-handling Clamshell Bucket, especially for loading bulk materials for excavators from 18t / 39600 lbs to 40t / 88000 lbs (C40VHD), as well as re-handling excavator from 20t / 44000 lbs to 40t / 88000 lbs or 40t / 88000 lbs to 60t / 132000 lbs (C60VHD) operating weight.

- Maximum volume due to widely spaced pivots with a flat closing curve. Protection of the ground surface is guaranteed, e.g. discharge from boat and train carriages etc.
- Precise positioning with an integrated rotator.
- Long life is ensured due to the use of 500 HB steel in the manufacture of cutting edges. Shell back walls (8 mm / 0.31 in, HB 400) also resist highly abrasive materials. Bearing points with specially coated bushings and hardened pins.
- Wear resistant shells. C40VHD-C: due to closed shells ideal for very fine-grained loads (e.g. fertilizer)
- With integrated rotation: Swivel and bevel sealed. Rotary feedthrough and motor accessible directly.
- Integrated non-return valve guarantees security of the load.
- Excellent digging characteristics are the result of high closing forces due to two vertical cylinders (C40VHD: A/B = 71 kN / 15620 lbf / C = 65 kN / 14300 lbf; C60VHD = 102 kN / 22440 lbf).



C40VHD-A

C40VHD-A/B Open Version and C40VHD-C Closed Version

Type	Opening (mm/in)	Width (mm/in)	Height (mm/in)	Volume (litre/c.y.)	Weight approx. (kg/lbs)	Capacity (kg/lbs)
C40VHD-125A	2400 / 94.49	1250 / 49.21	2530 / 99.60	1250 / 1.64	1510 / 3322	7000 / 15400
C40VHD-150A	2400 / 94.49	1500 / 59.06	2530 / 99.60	1500 / 1.96	1590 / 3498	7000 / 15400
C40VHD-175A	2400 / 94.49	1750 / 68.90	2530 / 99.60	1750 / 2.29	1860 / 4092	7000 / 15400
C40VHD-200A	2400 / 94.49	2000 / 78.74	2530 / 99.60	2000 / 2.62	1860 / 4092	7000 / 15400
C40VHD-125B	2600 / 102.36	1250 / 49.21	2530 / 99.60	1560 / 2.04	1510 / 3322	7000 / 15400
C40VHD-150B	2600 / 102.36	1500 / 59.06	2530 / 99.60	1875 / 2.45	1590 / 3498	7000 / 15400
C40VHD-175B	2600 / 102.36	1750 / 68.90	2530 / 99.60	2190 / 2.86	1860 / 4092	7000 / 15400
C40VHD-200B	2600 / 102.36	2000 / 78.74	2530 / 99.60	2500 / 3.27	1860 / 4092	7000 / 15400
C40VHD-125C	2600 / 102.36	1250 / 49.21	2640 / 103.94	1875 / 2.45	1780 / 3916	7000 / 15400
C40VHD-150C	2600 / 102.36	1500 / 59.06	2640 / 103.94	2250 / 2.94	1880 / 4136	7000 / 15400
C40VHD-175C	2600 / 102.36	1750 / 68.90	2640 / 103.94	2625 / 3.43	1980 / 4356	7000 / 15400
C40VHD-200C	2600 / 102.36	2000 / 78.74	2640 / 103.94	3000 / 3.92	2130 / 4686	7000 / 15400

Package consists of: re-handling clamshell bucket, **KINSHOFER** rotation (pin-Ø 70 mm/2.76 in / lug distance 227 mm / 8.94 in) and non-return valve

C60VHD-A Open Version (Version B and C on request)

Type	Opening (mm/in)	Width (mm/in)	Height (mm/in)	Volume (litre/c.y.)	Weight approx. (kg/lbs)	Capacity (kg/lbs)
C60VHD-125A	2400 / 94.49	1250 / 49.21	2540 / 100	1250 / 1.64	2010 / 4422	9000 / 19800
C60VHD-150A	2400 / 94.49	1500 / 59.06	2540 / 100	1500 / 1.96	2080 / 4576	9000 / 19800
C60VHD-175A	2400 / 94.49	1750 / 68.90	2540 / 100	1750 / 2.29	2165 / 4763	9000 / 19800
C60VHD-200A	2400 / 94.49	2000 / 78.74	2540 / 100	2500 / 3.27	2285 / 5027	9000 / 19800

Package consists of: re-handling clamshell bucket, **KINSHOFER** rotation (pin-Ø 70 mm/2.76 in / lug distance 227 mm / 8.94 in) and non-return valve

Accessories

Type	Description
KM 501 19t-60t	upper suspension without pendulum damper
SW25 cardanic	adapter for Lehnhoff grab exchange system SW/MS25 without suspension – up to 40t / 88000 lbs
SW40 cardanic	adapter for Lehnhoff grab exchange system MS/HS40 without suspension – up to 70t / 154000 lbs
	adapter for quick exchange systems from other manufacturers available

Requirements of Excavator

	C40VHD	C60VHD
Operating pressure (open/close):	max. 35 MPa (350 bar) / 5040 psi	max. 35 MPa (350 bar) / 5040 psi
Recommended oil flow (open/close):	120 - max. 200 l/min / 31.70 - max. 52.84 GPM	120 - max. 200 l/min / 31.70 - max. 52.84 GPM
Operating pressure (rotation):	max. 17 MPa (170 bar) / 2448 psi	max. 17 MPa (170 bar) / 2448 psi
Recommended oil flow (rotation):	25 - max. 60 l/min / 6.61 - max. 15.85 GPM	40 - max. 60 l/min / 10.57 - max. 15.85 GPM

Technical Drawings

