

Durable Re-handling Clamshell Bucket, especially for loading bulk materials for excavators from 18t/39600lbs to 25t/55000lbs, as well as re-handling excavator from 20t/44000lbs to 30t/66000lbs.

- ▷ **Optimal loading** due to high volume of the torsion-resistant shells and **precise positioning** thanks to flat, robust 15t-rotator.
- ▷ **Long life** is ensured thanks to wear-resistant shells and hardened pins and bushings. All **breaing points are sealed**.
- ▷ **Integrated non-return valve** guarantees security of the load.
- ▷ **Excellent digging characteristics** are the result of high closing forces due to two vertical cylinders.



Re-handling Clamshell Bucket C30V								
Type	Opening A (mm/in)	Width E (mm/in)	Length F (mm/in)	Height C min. (mm/in)	Height C max. (mm/in)	Volume (liter/c.y.)	Weight (kg/lbs)	Load capacity (kg/lbs)
C30V-100-21	2100 / 82.7	1000 / 39.4	1740 / 68.6	1460 / 57.5	2130 / 83.9	830 / 1.09	1050 / 2310	6000 / 13200
C30V-120-21	2100 / 82.7	1200 / 47.2	1740 / 68.6	1460 / 57.5	2130 / 83.9	1000 / 1.31	1150 / 2530	6000 / 13200
C30V-150-21	2100 / 82.7	1500 / 59.1	1740 / 68.6	1460 / 57.5	2130 / 83.9	1250 / 1.64	1220 / 2684	6000 / 13200
C30V-180-21	2100 / 82.7	1800 / 70.87	1740 / 68.6	1460 / 57.5	2130 / 83.9	1500 / 1.96	1290 / 2838	6000 / 13200
C30V-180-23	2300 / 90.6	1800 / 70.87	1885 / 74.2	1465 / 57.7	2230 / 87.8	1800 / 2.35	1300 / 2860	6000 / 13200
C30V-200-23	2300 / 90.6	2000 / 78.7	1885 / 74.2	1465 / 57.7	2230 / 87.8	2000 / 2.62	1350 / 2970	6000 / 13200

Package consists of: re-handling clamshell bucket, **KINSHOFER** rotator and non-return valve

**KINSHOFER** Rotator

Continuous rotation and two oil passages. Overload protection is ensured by pressure relief valves.

Type	Upper connection (width x Ø-pin) (mm/in)	Torque (Nm/ft.lbs)	Bending moment max. (Nm/ft.lbs)
KM 15 F273/273	180 x Ø 70 / 7.1 / Ø2.76	2000 / 1475	50000 / 36875

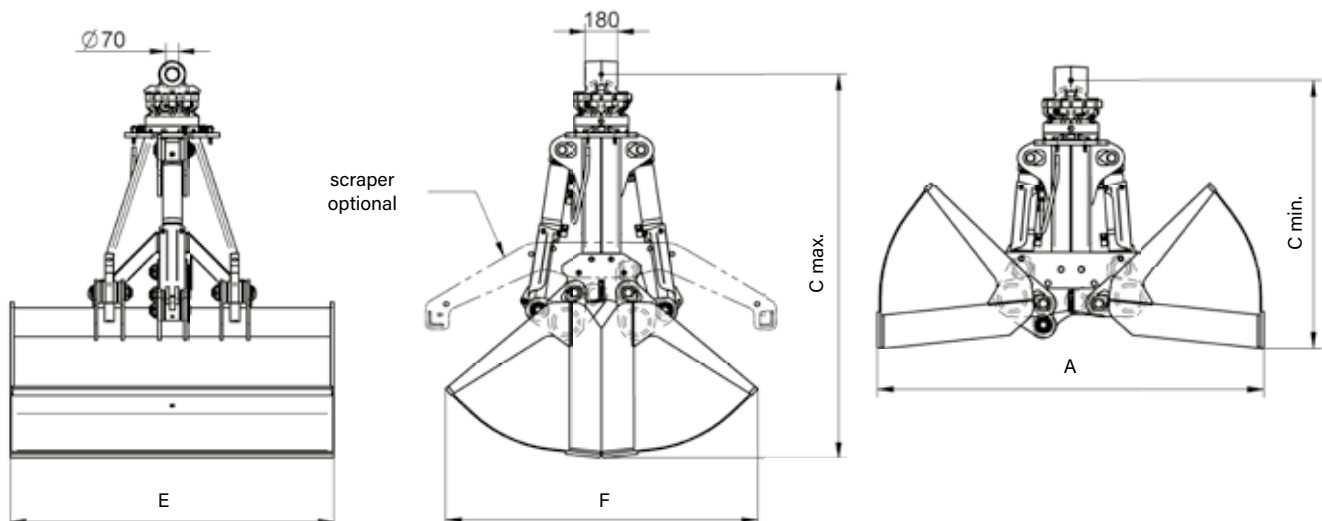
Accessories

Type	Description
KM 501 19t-60t	upper suspension without pendulum damper
KM 511 19t-60t	upper suspension with pendulum damper
KM 510 19t-60t	single pendulum damper
KM 680 C30V	scraper for C30V - specify width and opening when ordering alone

Requirements of carrier machine

Operating pressure (open/close):	max. 35 MPa (350 bar) / 5070psi
Pump capacity (open/close):	120 - max. 200 l/min / 32 - max. 53GPM
Operating pressure (rotate):	max. 35 MPa (350 bar) / 5070psi
Pump capacity (rotate):	20 - 50 l/min / 5.3 - 13.2 GPM

Technical drawing



Durable Re-handling Clamshell Bucket, especially for loading bulk materials for excavators from 18t/39600lbs to 25t55000lbs, as well as re-handling excavator from 20t/44000lbs to 40t/88000lbs.

- ▷ **Optimal loading** due to high volume of the torsion-resistant shells and precise positioning thanks to **integrated rotation**.
- ▷ **Long life** is ensured due to the use of 500HB steel in the manufacture of cutting edges. Shell back walls (8 mm/0.3in, 400HB) also resist highly abrasive materials. Bearing points with **specialty 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-24

Re-handling Clamshell Buckets with open shells C40VHD						
Type	Opening (mm/in)	Width E (mm/in)	Height C (mm/in)	Volume (liter/c.y)	Weight (kg/lbs)	Load capacity (kg/lbs)
C40VHD-125-24	2400 / 94.5	1250 / 49.2	2530 / 99.6	1250 / 1.64	1670 / 3674	7000 / 15400
C40VHD-150-24	2400 / 94.5	1500 / 59.1	2530 / 99.6	1500 / 1.96	1700 / 3740	7000 / 15400
C40VHD-175-24	2400 / 94.5	1750 / 68.9	2530 / 99.6	1750 / 2.29	1770 / 3894	7000 / 15400
C40VHD-200-24	2400 / 94.5	2000 / 78.7	2530 / 99.6	2000 / 2.62	1920 / 4224	7000 / 15400
C40VHD-125-26	2600 / 102.4	1250 / 49.2	2640 / 59.1	1560 / 2.04	1680 / 3696	7000 / 15400
C40VHD-150-26	2600 / 102.4	1500 / 59.1	2640 / 59.1	1875 / 2.45	1760 / 3872	7000 / 15400
C40VHD-175-26	2600 / 102.4	1750 / 68.9	2640 / 59.1	2190 / 2.86	1830 / 4026	7000 / 15400
C40VHD-180-26	2600 / 102.4	1800 / 70.9	2640 / 59.1	2300 / 3.01	1850 / 4070	7000 / 15400
C40VHD-200-26	2600 / 102.4	2000 / 78.7	2640 / 59.1	2500 / 3.27	1990 / 4378	7000 / 15400
C40VHD-150-28	2800 / 110.2	1500 / 59.1	2740 / 107.9	2250 / 2.94	1870 / 4114	7000 / 15400
C40VHD-175-28	2800 / 110.2	1750 / 68.9	2740 / 107.9	2600 / 3.40	1960 / 4312	7000 / 15400
C40VHD-200-28	2800 / 110.2	2000 / 78.7	2740 / 107.9	3000 / 3.92	2050 / 4510	7000 / 15400
C40VHD-230-28	2800 / 110.2	2300 / 90.6	2740 / 107.9	3500 / 4.58	2150 / 4730	7000 / 15400
C40VHD-150-30	3000 / 118.1	1500 / 59.1	2820 / 111	2600 / 3.40	1920 / 4224	7000 / 15400
C40VHD-175-30	3000 / 118.1	1750 / 68.9	2820 / 111	3000 / 3.92	2010 / 4422	7000 / 15400
C40VHD-200-30	3000 / 118.1	2000 / 78.7	2820 / 111	3500 / 4.58	2100 / 4620	7000 / 15400
C40VHD-230-30	3000 / 118.1	2300 / 90.6	2820 / 111	4000 / 5.23	2250 / 4950	7000 / 15400

Re-handling Clamshell Buckets with closed shells C40VHD-C (other opening widths on request)						
Type	Opening (mm/in)	Width E (mm/in)	Height C (mm/in)	Volume (liter/ c.y)	Weight (kg/ lbs.)	Load capacity (kg/ lbs.)
C40VHD-125-26-C	2600 / 102.4	1250 / 49.2	2640 / 59.1	1875 / 2.45	1870 / 4114	7000 / 15400
C40VHD-150-26-C	2600 / 102.4	1500 / 59.1	2640 / 59.1	2250 / 2.94	1970 / 4334	7000 / 15400
C40VHD-175-26-C	2600 / 102.4	1750 / 68.9	2640 / 59.1	2625 / 3.43	2070 / 4554	7000 / 15400
C40VHD-200-26-C	2600 / 102.4	2000 / 78.7	2640 / 59.1	3000 / 3.92	2180 / 4796	7000 / 15400

All package consists of: re-handling clamshell bucket, **KINSHOFER** rotation (pin-Ø 70mm/2.8in / lug distance 227mm/8.9in) and non-return valve

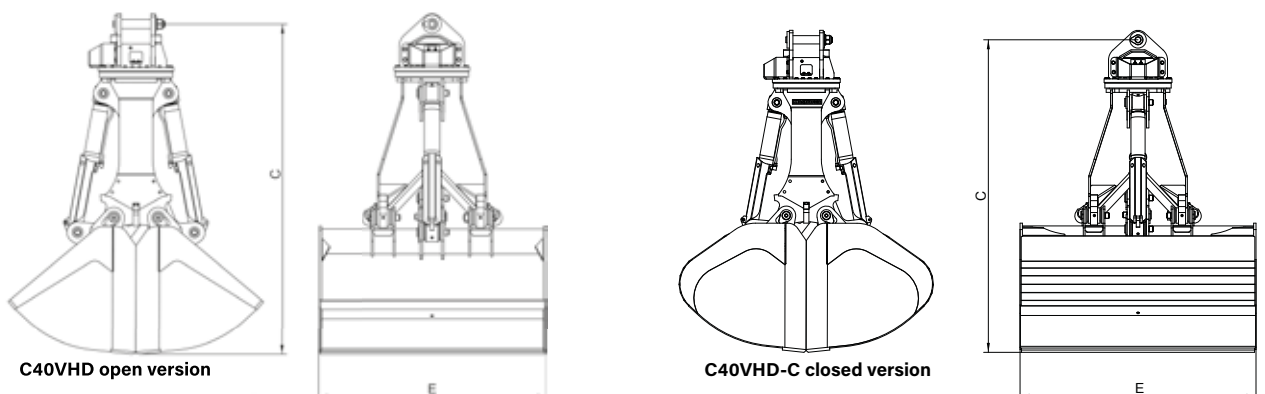
### Accessories

Type	Description
KM 501 RD50	upper suspension without pendulum damper
KM 680 C40VHD	scraper, weight approx. 250kg/550lbs - specify width and opening when ordering alone

### Requirements of carrier machine

Operating pressure (open/close):	max. 35 MPa (350 bar) / 5070psi
Pump capacity (open/close):	120 - max. 200 l/min / 32 - max. 53GPM
Operating pressure (rotate):	max. 14 MPa (140 bar) / 2030psi
Pump capacity (rotate):	20 - 30 l/min / 5 - 8GPM

### Technical drawings



C40VHD open version

C40VHD-C closed version

Durable Re-handling Clamshell Bucket, especially for loading bulk materials for excavators from 30t/66000lbs to 45t/99000lbs, as well as re-handling excavator from 40t/88000lbs to 65t/143000lbs.

- ▷ **Optimal loading** due to high volume of the torsion-resistant shells and precise positioning thanks to **integrated rotation**.
- ▷ **Long life** is ensured due to the use of 500HB steel in the manufacture of cutting edges. Shell back walls (8mm/0.3in, 400HB) also resist highly abrasive materials.
- ▷ Bearing points with **specially coated bushings and hardened pins**.
- ▷ 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.



C60VHD-32

### Re-handling Clamshell Buckets with open shells C60VHD (gclosed version C on request)

Type	Opening (mm/in)	Width E (mm/in)	Height C (mm/in)	Volume (liter/c.y)	Weight (kg/lbs)	Load capacity (kg/lbs)
C60VHD-180-24	2400 / 94.5	1800 / 70.9	2500 / 98.4	1800 / 2.35	2380 / 5236	9000 / 19800
C60VHD-200-24	2400 / 94.5	2000 / 78.7	2500 / 98.4	2000 / 2.62	2450 / 5390	9000 / 19800
C60VHD-220-24	2400 / 94.5	2200 / 86.6	2500 / 98.4	2200 / 2.88	2530 / 5566	9000 / 19800
C60VHD-180-26	2600 / 102.4	1800 / 70.9	2740 / 107.9	2300 / 3.01	2420 / 5324	9000 / 19800
C60VHD-200-26	2600 / 102.4	2000 / 78.7	2740 / 107.9	2500 / 3.27	2500 / 5500	9000 / 19800
C60VHD-220-26	2600 / 102.4	2200 / 86.6	2740 / 107.9	2750 / 3.60	2580 / 5676	9000 / 19800
C60VHD-180-28	2800 / 110.2	1800 / 70.9	2880 / 113.4	2700 / 3.53	2480 / 5456	9000 / 19800
C60VHD-200-28	2800 / 110.2	2000 / 78.7	2880 / 113.4	3000 / 3.92	2560 / 5632	9000 / 19800
C60VHD-220-28	2800 / 110.2	2200 / 86.6	2880 / 113.4	3300 / 4.32	2640 / 5808	9000 / 19800
C60VHD-180-32	3200 / 126.0	1800 / 70.9	2990 / 117.7	3600 / 4.71	2560 / 5632	9000 / 19800
C60VHD-200-32	3200 / 126.0	2000 / 78.7	2990 / 117.7	4000 / 5.23	2640 / 5808	9000 / 19800
C60VHD-220-32	3200 / 126.0	2200 / 86.6	2990 / 117.7	4400 / 5.76	2720 / 5984	9000 / 19800
C60VHD-250-32	3200 / 126.0	2500 / 98.4	2990 / 117.7	5000 / 6.54	2920 / 6424	9000 / 19800

Package consists of: re-handling clamshell bucket, **KINSHOFER** rotation (pin-Ø 70mm/2.8in / lug distance 227mm/8.9in) and non-return valve

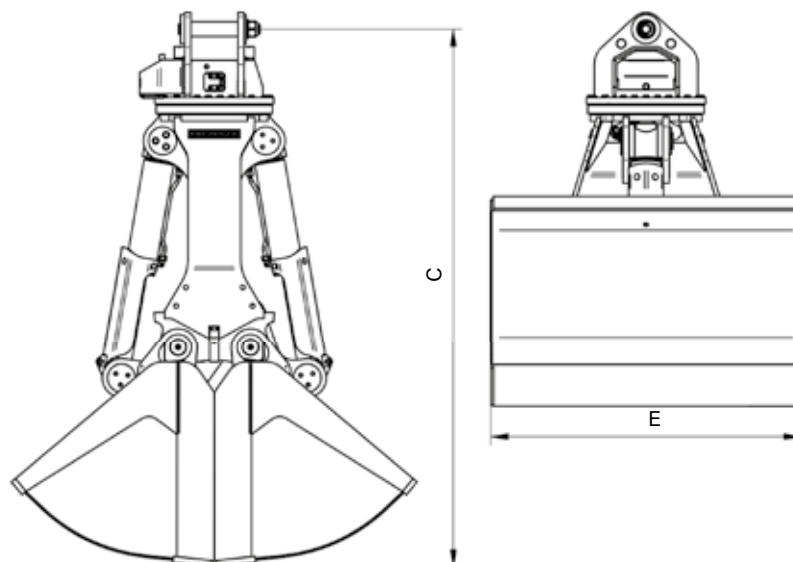
### Accessories

Type	Description
KM 501 RD50	upper suspension without pendulum damper
KM 680 C60VHD	scraper, weight approx. 360 kg/792lbs- specify width and opening when ordering alone

### Requirements of carrier machine

Operating pressure (open/close):	max. 35 MPa (350 bar) / 5070psi
Pump capacity (open/close):	120 - max. 200 l/min / 32.0 - max. 53.0FPM
Operating pressure (rotate):	max. 14 MPa (140 bar) / 2030psi
Pump capacity (rotate):	20 - 30 l/min / 5.0 - 8.0GPM

### Technical drawings



Durable Re-handling Clamshell Bucket, especially for loading bulk materials for excavators from 60t/132000lbs to 80t/176000lbs, as well as re-handling excavator from 80t/176000lbs to 100t/220000lbs.

- ▷ **Optimal loading** due to high volume of the torsion-resistant shells and precise positioning thanks to **integrated rotation**.
- ▷ **Long life** is ensured due to the use of 500HB steel in the manufacture of cutting edges. Shell back walls (8mm/0.3in, 400HB) also resist highly abrasive materials. Bearing points with **specially coated bushings and hardened pins**.
- ▷ **Shells equipped with four loading eyes** – one at each edge and **stopping grids at each side**.
- ▷ 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 four vertical cylinders.



### Re-handling Clamshell Buckets C100VHD

Type	Opening A (mm/in)	Width E (mm/in)	Height C (mm/in)	Volume (liter/c.y.)	Weight (kg/lbs)	Load capacity (kg/lbs)
C100VHD-220-39	3900 / 153.5	2200 / 86.6	3475 / 186.8	7000 / 9.16	5200 / 11440	12000 / 26400

**Note:** other widths and volumes on request

**Package consists of:** re-handling clamshell bucket, **KINSHOFER** rotation (pin-Ø 80mm/3.1in / lug distance 200mm/7.9in) and non-return valve

### Accessories

Type	Description
KM 501 RD120	upper suspension without pendulum damper

### Requirements of carrier machine

<b>Operating pressure (open/close):</b>	<b>max. 35 MPa (350 bar) / 5070psi</b>
<b>Pump capacity (open/close):</b>	200 - max. 400 l/min / 53.0 - max. 105.0GPM
<b>Operating pressure (rotate):</b>	<b>max. 14 MPa (140 bar) / 2030psi</b>
<b>Pump capacity (rotate):</b>	20 - 40 l/min/ 5.0 - 10.5 GPM

### Technical drawings

