

Clamshell Bucket with exchangeable shells and vertical cylinders for excavators from 13t/28600lbs to 18t/39600lbs operating weight - through quick and easy exchange of shells, the C18VE is ideal for different applications, for excavation operations, landscaping, trench digging, handling of logs and more. The shells can be changed in less than four minutes.

- ▷ **Economic solution** as only the shells have to be exchanged for another application. Bucket carrier, hydraulic cylinder and bearings are integrated into the unit.
- ▷ **Long life** is ensured due to the use of 500HB steel in the manufacture of cutting edges.
- ▷ **Reduced wear** resulting from generously dimensioned bearing system.
- ▷ **Excellent digging characteristics** are the result of high closing forces (42 kN / 9,240 lbf at 35 MPa / 5,070 psi operating pressure, varies depending on width).



Request? [exc@kinshofer.com](mailto:exc@kinshofer.com)

### Clamshell Bucket C18VE

Type	Width	Opening	Height	Length	Volume (liter/c.y.)	Number of teeth	Weight (kg/lbs)	Load capacity (kg/lbs)
	E (mm/in)	A (mm/in)	C max. (mm/in)	F (mm/in)				
<b>C18VE-33</b>	335 / 13.2	1,655 / 65.2	1,595 / 62.8	1,360 / 53.5	125 / 0.16	3	590 / 1,298	4,500 / 9,900
<b>C18VE-40</b>	400 / 15.8	1,655 / 65.2	1,595 / 62.8	1,360 / 53.5	160 / 0.21	3	605 / 1,331	4,500 / 9,900
<b>C18VE-50</b>	500 / 19.7	1,655 / 65.2	1,595 / 62.8	1,360 / 53.5	200 / 0.26	5	630 / 1,386	4,500 / 9,900
<b>C18VE-60</b>	600 / 23.6	1,655 / 65.2	1,595 / 62.8	1,360 / 53.5	245 / 0.32	5	655 / 1,441	4,500 / 9,900
<b>C18VE-80</b>	800 / 31.5	1,655 / 65.2	1,595 / 62.8	1,360 / 53.5	330 / 0.43	9	705 / 1,551	4,500 / 9,900
<b>C18VE-100</b>	1,000 / 39.4	1,655 / 65.2	1,595 / 62.8	1,360 / 53.5	415 / 0.54	9	755 / 1,661	4,500 / 9,900

**Package consists of:** clamshell bucket, bolt-on teeth, **KINSHOFER** rotator with hose guard, 2 weld-on eyes, shell exchange aid kit 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 pin-Ø) (mm/in)	Torque (Nm/ft.lbs)	Bending moment max. (Nm/ft.lbs)
<b>KM 10 F275-60</b>	125 x 60 / 4.9 x 2.4	1,500 / 1,106.3	14,000 / 10,325

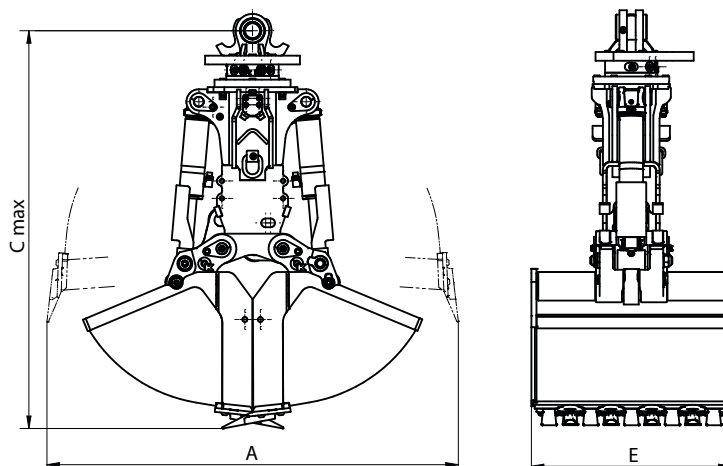
### Accessories

Type	Description
<b>KM 501 13t-25t</b>	upper suspension without pendulum damper
<b>KM 511 13t-25t</b>	upper suspension with pendulum damper
<b>KM 510 13t-25t</b>	single pendulum damper
<b>KSW10 cardanic</b>	adapter for system L-Lock KMS10L/KHS10L incl. cardan link excl. pendulum damper - up to 19t/41,800lbs
<b>KSW21/25 cardanic</b>	adapter for system L-Lock KMS21/25L / KHS21/25L incl. cardan link excl. pendulum damper - up to 40t/88,000lbs
<b>KM 680 C18VE</b>	scrapper adapters for quick change systems from other manufacturers or different sizes on request

### Requirements of carrier machine

<b>Operating pressure (open/close):</b>	<b>max. 35 MPa (350 bar) / 5,070 psi</b>
<b>Recommended pump capacity (open/close):</b>	75 - max. 150 l/min / 20 - max. 40 GPM
<b>Operating pressure (rotate):</b>	<b>max. 32 MPa (320 bar) / 4,640 psi</b>
<b>Recommended pump capacity (rotate):</b>	20 - max. 50 l/min/ 5 - max. 13 GPM

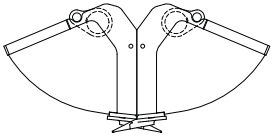
### Technical drawing



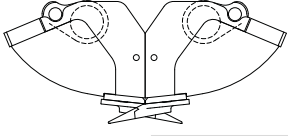
# Exchangeable Shells for C18VE

## Exchangeable Shells for C18VE

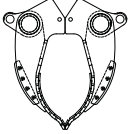
Shells are interchangeable and available in all widths. Rapid exchange with shell stand and pin exchange tool.

Type	Width (mm/in)	Opening (mm/in)	Height complete (mm/in)	Volume (liter/c.y.)	Number of teeth	Weight shells (kg/lbs)	Loading capacity (kg/lbs)	Closing force (kN/lbf)
<b>Clamshell Bucket</b>								
								
<b>C18VE-33S</b>	335 / 13.2	1,655 / 65.2	1,595 / 62.8	125 / 0.16	3	160 / 352	4,500 / 9,900	42 / 9,240
<b>C18VE-40S</b>	400 / 15.8	1,655 / 65.2	1,595 / 62.8	160 / 0.21	3	180 / 396	4,500 / 9,900	42 / 9,240
<b>C18VE-50S</b>	500 / 19.7	1,655 / 65.2	1,595 / 62.8	200 / 0.26	5	195 / 429	4,500 / 9,900	42 / 9,240
<b>C18VE-60S</b>	600 / 23.6	1,655 / 65.2	1,595 / 62.8	245 / 0.32	5	225 / 495	4,500 / 9,900	42 / 9,240
<b>C18VE-80S</b>	800 / 31.5	1,655 / 65.2	1,595 / 62.8	330 / 0.43	9	275 / 605	4,500 / 9,900	42 / 9,240
<b>C18VE-100S</b>	1,000 / 39.4	1,655 / 65.2	1,595 / 62.8	415 / 0.54	9	325 / 715	4,500 / 9,900	42 / 9,240


## Excavating Grab

								
<b>C18VE-33S EG</b>	335 / 13.2	1,205 / 47.4	1,430 / 56.3	90 / 0.12	3	125 / 275	4,500 / 9,900	57 / 12,540
<b>C18VE-40S EG</b>	400 / 15.8	1,120 / 44.1	1,385 / 54.5	55 / 0.07	3	130 / 286	4,500 / 9,900	60 / 13,200
<b>C18VE-80S EG</b>	800 / 31.5	820 / 32.3	1,380 / 54.3	100 / 0.13	9	185 / 407	4,500 / 9,900	69 / 15,180

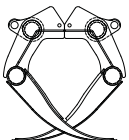
## Pipe Grab

								
<b>C18VE-83S PG</b>	830 / 32.7	Ø100 - Ø600/ Ø3.9 - Ø23.6	1,625 / 64	Ø600 mm/ Ø23.6		295* / 649	4,500 / 9,900	41 / 9,020
*incl. support								

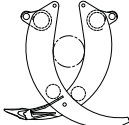
## Well Shaft Grab

								
<b>C18VE-97S WSG</b>	Ø970 / Ø38.2	970 / 38.2	1,410 / 55.5	110 / 0.14	5	170 / 374	4,500 / 9,900	65 / 14,300
note: larger shells available on request								

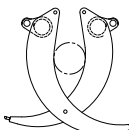
## Hay and Forestry Grab

								
<b>A18VE-95S</b>	955 / 37.6	1,830 / 72	1,685 / 66.3	400 / 0.52		225 / 495	4,500 / 9,900	41 / 9,020
<b>A18VE-122S</b>	1,220 / 48	1,835 / 72.2	1,725 / 67.9	600 / 0.78		275 / 605	4,500 / 9,900	32 / 7,040

## Rock Grab

								
<b>R18VE-49S</b>	490 / 19.3	1,850 / 72.8	1,820 / 71.7	m <sup>2</sup> / cord 0.50 / 0.34		195 / 429	4,500 / 9,900	33 / 7,260

## Timber Grab

								
<b>T18VE-49S-0,5</b>	490 / 19.3	1,830 / 72	1,825 / 71.9	m <sup>2</sup> / cord 0.50 / 0.34		200 / 440	4,500 / 9,900	30 / 6,600
<b>T18VE-49S-0,6</b>	490 / 19.3	1,975 / 77.8	1,905 / 75	0.60 / 0,40		220 / 484	4,500 / 9,900	33 / 7,260

## Rail Tines

								
<b>C18VE-50S RG</b>	500 / 19.7	1,250 / 49.2	1,400 / 55.1	-		130 / 286	4,500 / 9,900	44 / 9,680

**Package consists of:** shells, teeth (for clamshell bucket, excavating and well shaft grab), shell exchange aid kit and pin extraction tool

**Note:** special shells on request