

Clamshell Bucket with exchangeable shells and vertical cylinders for excavators from 9t to 12t operating weight – through quick and easy exchange of shells, the C12VE 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 500 HB 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 (39 kN at 32 MPa operating pressure).



### Clamshell Bucket C12VE

Type	Width B (mm)	Opening A (mm)	Height C max.(mm)	Length F (mm)	Volume (liter)	Number of teeth	Weight (kg)	Load capacity (kg)
C12VE-32	325	1645	1570	1350	125	3	475	4500
C12VE-40	400	1645	1570	1350	160	3	485	4500
C12VE-50	500	1645	1570	1350	200	5	500	4500
C12VE-60	600	1645	1570	1350	245	5	515	4500
C12VE-70	700	1645	1570	1350	285	7	525	4500
C12VE-80	800	1645	1570	1350	330	9	535	4500

**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 dimension (width x pin-Ø) (mm)	Torque (Nm)	Bending moment max. (Nm)
KM 10 F275-50	110 x 50	2000	14000

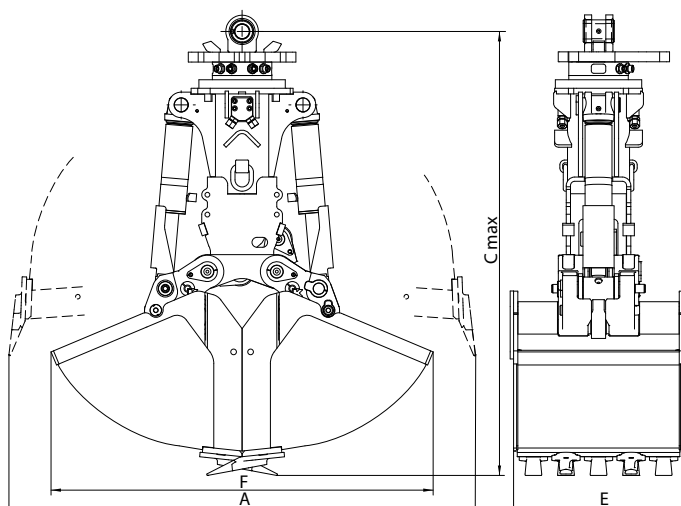
### Accessories

Type	Description
KM 501 9t-12t	upper suspension without pendulum damper
KM 511 9t-12t	upper suspension with pendulum damper
KM 510 9t-12t	single pendulum damper
KSW08 cardanic	adapter for system L-Locks KMS08L/KHS08L incl. cardan link excl. pendulum damper – up to 12t
KSW10 cardanic	adapter for system L-Lock KMS10L/KHS10L incl. cardan link excl. pendulum damper – up to 19t
KM 680 C12VE	scrapers

### Requirements of carrier machine

Operating pressure (open/close):	max. 32 MPa (320 bar)
Recommended pump capacity (open/close):	40 - max. 120 l/min
Operating pressure (rotate):	max. 32 MPa (320 bar)
Recommended pump capacity (rotate):	20 - max. 50 l/min

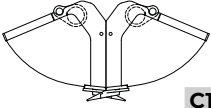
### Technical drawing



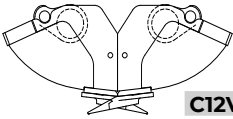
# Exchangeable Shells for C12VE

## Exchangeable shells for C12VE

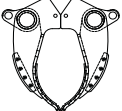
Shells are interchangeable and available in all widths. Rapid exchange with shell stand and pin exchange tool.

Type	Width (mm)	Opening (mm)	Height complete (mm)	Volume (liter)	Number of teeth	Weight shells (kg)	Loading capacity (kg)	Closing force (kN)
<b>Clamshell Bucket</b>								
								
<b>C12VE-32S</b>	325	1535	1570	125	3	130	4500	39
<b>C12VE-40S</b>	400	1535	1570	160	3	140	4500	39
<b>C12VE-50S</b>	500	1535	1570	200	5	165	4500	39
<b>C12VE-60S</b>	600	1535	1570	245	5	180	4500	39
<b>C12VE-70S</b>	700	1535	1570	285	7	205	4500	39
<b>C12VE-80S</b>	800	1535	1570	330	9	225	4500	39


## Excavating Grab

								
<b>C12VE-32S EG</b>	325	1200	1350	90	3	110	4500	52
<b>C12VE-40S EG</b>	400	1100	1355	55	3	125	4500	55
<b>C12VE-80S EG</b>	800	800	1350	100	9	155	4500	63

## Pipe Grab

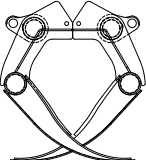
								
<b>C12VE-80S PG</b>	800	Ø75-Ø560	1590	-	-	145	4500	39

## Well Shaft Grab

								
<b>C12VE-100S WSG</b>	Ø1000	1000	1320	100	5	140	4500	60

Note: larger shells available on request

## Hay and Forestry Grab

								
<b>A12VE-94S</b>	940	1850	1695	400	-	205	4500	39
<b>A12VE-122S</b>	1220	1850	1695	600	-	240	4500	39

## Rock Grab

								
<b>R12VE-48S</b>	480	1850	1790	0,50 m <sup>2</sup>	-	200	4500	30

## Timber Grab

								
<b>T12VE-47S</b>	470	1835	1795	0,50 m <sup>2</sup>	-	180	4500	30

## Rail Tines

								
<b>C12VE-50S RG</b>	500	1350	1405	-	-	135	4500	44

**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