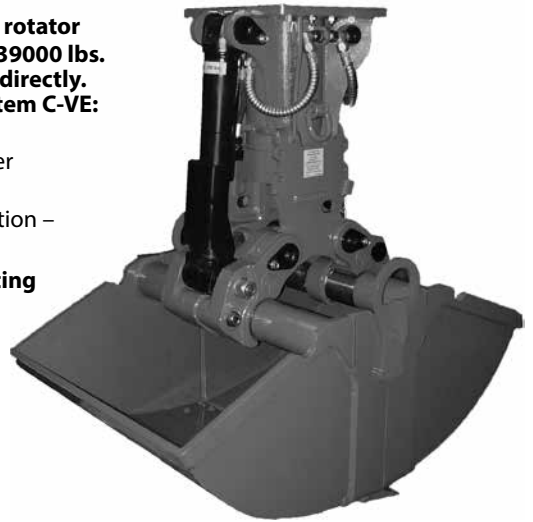


C18VE/RIG

Clamshell Bucket for Rigid Mounting

The C18VE/RIG is a clamshell bucket with two vertical cylinders, but without rotator for rigid mount on excavators with an operating weight of 13 - 18t / 28600 - 39000 lbs. Above the head plate, an upper bracket for a quick coupler can be mounted directly. Ideal, if used in combination with a tiltrotator and Quick Exchange Shell System C-VE: Changing various shells (types, widths) and other tools in four minutes.

- **Reinforced:** to endure the forces caused by its rigid mounting, the main carrier of this C18VE type is specially reinforced.
- An **economic solution** as only the shells have to be exchanged to suit application – bucket carrier, hydraulics and bearings are integrated into the main carrier.
- **Long life** is ensured due to the use of **500 HB steel** in the manufacture of **cutting edges** and a generously dimensioned **bearing system with special coating**.
- **Excellent digging characteristics** are the result of **high closing forces** (42 kN / 9240 lbf at an operating pressure of 35 MPa / 5076 psi).
- **Option:** with special cardanic system, the clamshell can also be mounted in free suspension under a tiltrotator.
- **Safe:** a non-return valve ensures continuous safety of the load, even if the pressure drops.
- **Low overall height:** ideal for rail applications.



Clamshell Bucket for Rigid Mounting C18VE/RIG								
Type	Width E (mm / in)	Opening A (incl. teeth) (mm / in)	Height C max. (incl. teeth) (mm / in)	Length F (mm / in)	Volume (litres)	Number of teeth	Self weight (kg / lbs)	Load capacity (kg / lbs)
C18VE-80/RIG	800 / 31.50	1650 / 64.96	1370 / 53.94	1360 / 53.54	330 / 0.43	9	565 / 1243	4500 / 9900

Package consists of: Hydraulic main carrier, clamshells with bolt-on teeth, non-return valve, short hoses, 2 welded eyes

Exchangeable Shells									
Type	Width E (mm / in)	Opening A max. (incl. teeth) (mm / in)	Height Cmax (mm / in)	Volume (litres)	Number of teeth	Self weight of shells (kg / lbs)	Total weight (kg / lbs)	Load capacity (kg / lbs)	Closing force (kN / lbf)
C18VE-30S	300 / 11.81	1535 / 60.43	1370 / 53.54	80 / 0.10	3	125 / 275	535 / 1177	4500 / 9900	42 / 9240
C18VE-33S	335 / 13.19	1535 / 60.43	1370 / 53.54	125 / 0.16	3	160 / 352	545 / 1199	4500 / 9900	42 / 9240
C18VE-40S	400 / 15.75	1535 / 60.43	1370 / 53.54	160 / 0.21	3	180 / 396	565 / 1243	4500 / 9900	42 / 9240
C18VE-50S	500 / 19.69	1535 / 60.43	1370 / 53.54	200 / 0.26	5	195 / 429	580 / 1276	4500 / 9900	42 / 9240
C18VE-60S	600 / 23.62	1535 / 60.43	1370 / 53.54	245 / 0.32	5	225 / 495	610 / 1342	4500 / 9900	42 / 9240
C18VE-80S	800 / 31.50	1535 / 60.43	1370 / 53.54	330 / 0.43	9	275 / 605	660 / 1452	4500 / 9900	42 / 9240
C18VE-100S	1000 / 39.37	1535 / 60.43	1370 / 53.54	415 / 0.54	9	325 / 715	710 / 1562	4500 / 9900	42 / 9240

Accessories	
Type	Description
KM 690 15t	adapter for rigid mounting – up to 15t / 33000 lbs
KM 690 20t	adapter for rigid mounting – up to 20t / 44000 lbs
OQ60	bolt-on adapter for Oilquick OQ60 – 12t to 18t / 26400 lbs to 39600 lbs
SW10 rigid	bolt-on-adapter for Lehnhoff grab exchange system SW/MS10 for rigid mounting – up to 19t / 41800 lbs
KM 680 C12VE/C18VE	adapter for quick exchange systems from other manufacturers available scraper

Note: various shells (types and dimensions) and more attachments available.

Requirements of Excavator	
Operating pressure (open/close):	max. 35 MPa (350 bar) / 5076 psi
Pump capacity (open/close):	75 - 150 l/min / 19.82 - 39.63 GPM
Operating pressure (rotation):	max. 32 MPa (320 bar) / 4608 psi
Pump capacity (rotation):	25 - 75 l/min / 6.61 - 19.82 GPM

Technical Designs

