

# Clamshell Bucket for Rigid Mount w/Rotation

C18VE-HD  13 - 18t

The clamshell bucket C18VE-HD with exchangeable shells and two vertical cylinders is equipped with a sturdy rotation and thus ideal for the rigid mount use on excavators with 13t - 18t / 28600 - 39000 lbs operating weight.

- ▷ 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.
- ▷ **Reinforced:** to endure the forces caused by its rigid mounting, the main carrier of this C18VE type is specially reinforced. The 280 mm / 11 in wide shells have extra reinforced 15 mm / 0.6 in strong Hardox side walls.
- ▷ **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**.
- ▷ **Low overall height:** ideal for rail applications.
- ▷ **Safe:** a non-return valve ensures continuous safety of the load, even if the pressure drops.
- ▷ **Excellent digging characteristics** are the result of **high closing forces**.
- ▷ **Strong and sturdy rotation** with large 4-point bearing and 2 motors for a high torque of 5700 Nm / 4200 ft.lbs.



## Clamshell Bucket for Rigid Mount C18VE-HD

Type	Width E (mm/in)	Opening A (mm/in)	Height C max. (mm/in)	Volume (liters/c.y.)	Number of teeth	Weight (kg/lbs)	Load capacity (kg/lbs)
C18VE-28-HD	280 / 11.0	1330 / 52.4	1655 / 65.2	60 / 0.08	3	780 / 1716	4500 / 9900

**Package consists of:** clamshell bucket, bolt-on teeth, KINSHOFER rotation, 2 welded eyes, shell exchange kit and non-return valve

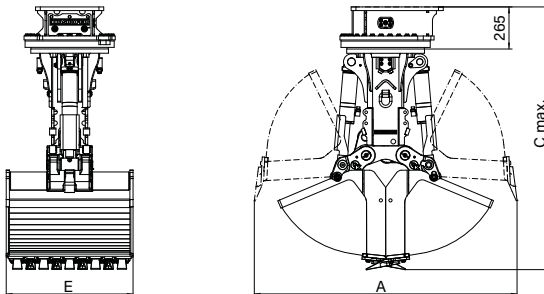
## Exchangeable Shells

Type	Width E (mm/in)	Opening A (mm/in)	Height C max. (mm/in)	Volume (liters/c.y.)	Number of teeth	Weight (kg/lbs)	Load capacity (kg/lbs)	Closing force (kN/lbf)
C18VE-28S-Rail	280 / 11.0	1330 / 52.4	1280 / 50.4	60 / 0.08	3	150 / 330	4500 / 9900	54 / 11880
C18VE-40S-Rail	400 / 15.8	1330 / 52.4	1280 / 50.4	100 / 0.13	3	170 / 374	4500 / 9900	54 / 11880
C18VE-50S-Rail	500 / 19.7	1330 / 52.4	1280 / 50.4	125 / 0.16	5	185 / 407	4500 / 9900	54 / 11880
C18VE-60S-Rail	600 / 23.6	1330 / 52.4	1280 / 50.4	150 / 0.20	5	215 / 473	4500 / 9900	54 / 11880
C18VE-80S-Rail	800 / 31.5	1330 / 52.4	1280 / 50.4	200 / 0.26	7	265 / 583	4500 / 9900	54 / 11880
C18VE-100S-Rail	1000 / 39.4	1330 / 52.4	1280 / 50.4	250 / 0.33	9	315 / 693	4500 / 9900	54 / 11880

## 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
T650 rigid	bolt-on adapter for „Atlas“ quick change T620
KSW10 rigid	bolt-on-adapter for „System L-Lock“ KMS10/KHS10 for rigid mounting – up to 19t / 41800 lbs
KM 680 C18VE-Rail	scraper

**Note:** other shells and tines and more attachments available on request. Other mounting options see page 27.



## Requirements of Excavator

Operating pressure (open/close)	Operating pressure (rotate)	Recommended oil flow (open/close)	Recommended oil flow (rotate)
max. 35 MPa (350 bar) / 5040 psi	max. 14 MPa (140 bar) / 2016 psi	40 - max. 120 l/min / 10.6 - max. 31.7 GPM	25 - max. 45 l/min / 6.6 - max. 11.9 GPM