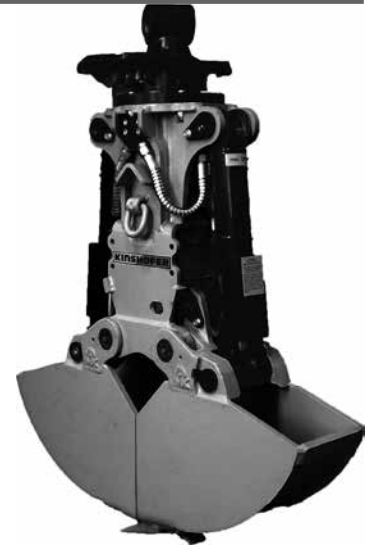


Railway Ballast Stripping Bucket

C18V-28 Special

The Railway Ballast Stripping Bucket C18V-28 Special from our department for Special and Custom Solutions bases on the approved design of the C18V-Clamshell Bucket. – Its speciality: Width and opening are adapted to clear ballast between the sleepers. Using 20mm thick Hardox steel plates to construct the sides of the shells, the bucket has got very robust and reliable. The integrated non-return valve prevents the inadvertent opening of the clamshells in case of pressure drop. For excavators with an operating weight of 13 - 18 t / 28600 - 39000 lbs.

- **Long life** is ensured due to the use of **20 mm / 0.79 in Hardox steel** for the **side plates** of the shells and **500 HB steel** in the manufacture of their **cutting edges**.
- **Reduced wear** resulting from generously dimensioned bearing system with special coating.
- **Safety:** a special holding valve provides a safe grip – even if pressure drops.
- **Excellent digging characteristics** are the result of **high closing forces (54 kN / 11880 lbf)** at an operating pressure of 35 MPa / 5076 psi).



Railway Ballast Stripping Bucket C18VE-28 Special								
Type	Width B	Opening A	Height C max.	Length F	Volume	Number of teeth	Self weight	Load capacity
	(mm / in)	(incl. teeth) (mm / in)	(incl. teeth) (mm / in)	(mm / in)	(litre)		(kg / lbs)	(kg / lbs)
C18V-28 Special	280 / 11.02	1350 / 53.15	1460 / 57.48	1165 / 45.87	100 / 0.12	3	490 / 1078	4500 / 9900

Package consists of: Hydraulic main carrier, clamshells with bolt-on teeth, **KINSHOFER** rotator, non-return valve and hose guard, 2 welded eyes

KINSHOFER Rotation

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)	Moment of deflection max. (Nm)
KM 10 F275-60	125 x 60 / 4.92 x 2.36	1500 / 1105	14000 / 10326

Accessories

Type	Description
KM 501 13t-25t	upper suspension without pendulum damper
KM 511 13t-25t	upper suspension with pendulum damper
SW10 cardanic	adapter for Lehnhoff grab exchange system SW/MS10 without suspension – up to 19t / 41800 lbs
SW21 cardanic	adapter for Lehnhoff grab exchange system SW/MS21 without suspension – up to 28t / 61600 lbs
KM 680 C12VE/C18VE	scraper

Requirements of Excavator

Operating pressure (open/close):	max. 32 MPa (320 bar) / 4608 psi
Pump capacity (open/close):	40 - 120 l/min / 10.57 - 31.70 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 – Example of Use

