

Multi purpose sleeper changing unit RBS20 for the extraction and exchange of railway ballast and concrete or wooden sleepers of different shapes and sizes. The RBS20 with Ballast Shield is ideal for road rail excavators with 14t - 24t / 30800 - 52800 lbs operating weight.

- ▶ **Efficiency:** the large shield with buckets clears the track from the ballast. The sleeper is then grabbed by the hydraulically operated gripper and pulled out from the ballast bed. Once the new sleeper is placed, the shield is used to bring back and level the ballast again. Rational use.
- ▶ **BiBloc-Sleepers can be handled** by opening the hydraulic gripper and thus clamping the sleeper.
- ▶ **Safety:** a special holding valve provides a safe grip – even if pressure drops.
- ▶ **Reduced wear** due to the use of HARDOX quality steel.
- ▶ **Bolt-on adapter:** upper brackets for different quick coupling systems available.
- ▶ **360° endless rotation** due to the integrated 15t-rotator.
- ▶ **Adjustable plunge depth** for more flexibility (depending on sleeper height).
- ▶ **3 bolt-on ballast buckets**, exchangeable in a few minutes.
- ▶ **Short versio with adjusted kinematics** RBS20-S: gripping unit directly mounted to the shield.



Sleeper Changers RBS20 with Shield

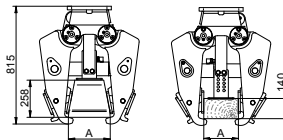
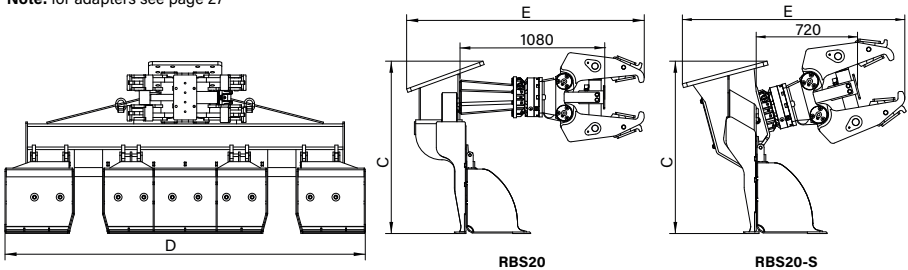
Typ	Gripping range min. - max. (mm/in)	Weight (kg/lbs)	Length D (mm/in)	Height C (mm/in)	Width E (mm/in)	Gripper elements (pcs)	Load capacity (kg/lbs)
RBS20	240 - 300 / 9.5 - 11.8	1260 / 2770	2800 / 110.2	1320 / 52.0	1840 / 72.4	4	2000 / 4400
RBS20-S	240 - 300 / 9.5 - 11.8	1160 / 2552	2800 / 110.2	1220 / 48.0	1570 / 61.8	4	2000 / 4400

Package consists of: sleeper changing unit with ballast shield and 3 bolt-on ballast buckets, KINSHOFER rotator KM 15 F273/273, non-return valve

Accessories

Type	Description
T650 rigid	bolt-on adapter for "Atlas" quick coupler T620

Note: for adapters see page 27



Internal pads and adjustable plunge depth allow the gripping of MonoBloc sleepers of different sizes and material (concrete, wood)

External pads to grip BiBloc concrete sleepers by opening the hydraulic gripper



Requirements of Excavator

Two hydraulic circuits needed.

Operating pressure (open/close)
max. 20 MPa (200 bar) / 2880 psi

Operating pressure (rotate)
max. 35 MPa (350 bar) / 5040 psi

Recommended oil flow (open/close)
50 - max. 75 l/min / 13.2 - max. 19.8 GPM

Recommended oil flow (rotate)
20 - max. 50 l/min / 5.3 - max. 13.2 GPM