

Multi purpose sleeper changing unit RBS20HPX for the extraction and exchange of railway ballast and concrete sleepers (B55/58 or B70), as well as wooden or steel sleepers of different shapes and sizes. 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.
- ▷ **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:** available for different quick coupling systems.
- ▷ **HPXdrive:** maintenance-low and cylinderless drive unit with exchangeable shell system.
- ▷ **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.
- ▷ **Adjustable plunge depth of shield.**
- ▷ **Short versio with adjusted kinematics RBS20HPX-S:** gripping unit directly mounted to the shield.



Sleeper Changers RBS20HPX with Shield and **HPXdrive**

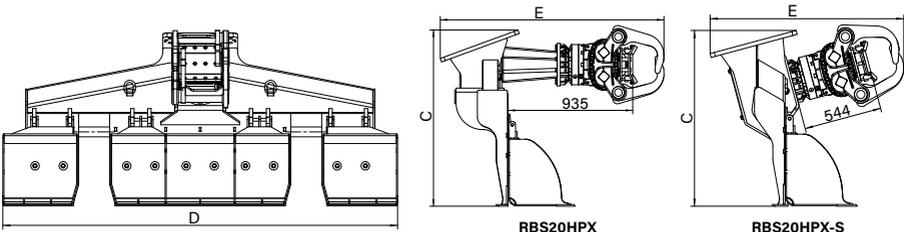
Type	Gripping range min. - max. (mm/in)	Weight (kg/lbs)	Length D (mm/in)	Height C (mm/in)	Width E (mm/in)	Gripper elements (pcs)	Load capacity (kg/lbs)
RBS20HPX	270 - 570 / 10.6 - 22.4	1250 / 2750	2800 / 110.2	1340 / 52.8	1670 / 65.8	4	2000 / 4400
RBS20HPX-S	270 - 570 / 10.6 - 22.4	1170 / 2574	2800 / 110.2	1220 / 48.0	1280 / 50.4	4	2000 / 4400

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

Accessories

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

Note: for adapters see page 27



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) 25 - max. 75 l/min / 6.6 - max. 19.8 GPM	Recommended oil flow (rotate) 20 - max. 50 l/min / 5.3 - max. 13.2 GPM
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