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New Scrapedozer SR T-18 TIGER



The **SR T-18 TIGER** is a further development of **SR 3000 TIGER**. With a bowl capacity of 18 m³ it is the biggest constructed Scrapedozer ever. The TIGER is capable of moving up to 4000 m³ of material per day.

Technical Details

Main Unit

Performance

- Bucket capacity: 18 m³
- Scraping width: 1,920 mm
- Scraping depth: bis 487 mm
- Operating weight: 38 t
- Hill-climbing ability: Better than other comparable track-driven machines

Transport Dimensions

- Length: 7,170 mm
- Width: 3,490 mm
- Height: 3,400 mm

Diesel Engine

- Mercedes Benz Type OM 502 LA
- V-8 Engine with 350 kW/480 PS
- Capacity 15.93 l
- Exhaust gas turbocharger with air/air charge cooling
- High pressure direct injection unit and multipoint injection pump with magnetic valve control
- Electronic engine management

Power Shift Gear

- ZF Type 4 WG 310 ERGOPOWER
- Integrated, series connected torque converter
- Easy and safe handling, optional fully automatic or manual operation
- Low revs and matching shift action protect both the engine and complete driving gear
- Speed km/h

Gear	Forwards	Reverse
1st	4.3	4.3
2nd	7.3	7.3
3rd	15.9	15.9
4th	—	20.5

Steering

Hydraulic Steering System HSTS (PTC Pat.)

- Crux is the hydraulically controlled steering differential
- The speed of each track is individually controlled and infinitely variable
- Totally smooth steering movements
- Steering always under full load and drive without any jerking and without loss of energy
- Turning on the spot is possible

Track Frames

Titan Intertractor

- Side frames are a rugged box-girder construction with increased friction absorbency
- Connection between running gear and chassis via a precision ball bearing slewing ring
- High quality O&K epicyclic end driving gear
- 9 running and 2 support rollers on each side, running tracks having lifetime lubrication
- Robust idler with nitrogen-shock absorber and grease tension cylinder, chain-tension adjustment with grease gun
- Segmented drive collars

Operating Comfort

Bucket Suspension

- 2 high performance, instant-action hydro-pneumatic accumulators
- Quietly positioned, balanced power distribution

Operator

Operator's Cab

- Noise and vibration reducing suspension due to hydraulic bearing
- Air-cushioned operator's seat
- Hydraulically foldable for transport

Operating Comfort

- With the 2 joysticks integrated into the operator's seat, the operator has the complete Scrapedozer under control – child's play!
- Due to modern electronics, complete information about the operating and machine conditions along with operating data is easily retrieved and readable

Service-Friendly

- Practical, ideally situated service platform at the entrance
- Central greasing station
- Generous size opening and gas-filled, spring-loaded hood
- With the CAN-BUS system all functions can be easily controlled and watched

Functionality procedure of the Scrapedozer

1 man – 1 machine – 4 working operations:
loosen – load – transport – embed

1. Loosen

The bucket is lowered to the desired depth and driven into the material to be moved.

2. Load

The bucket is scraped full in 1st or 2nd forward gear. The scraping distance amounts to 25 – 40 m, depending on the size of the machine. This process takes 20 – 40 seconds.

3. Transport

The full bucket is raised. The machine drives up to 20 km/h to the desired embedding location.

4. Embed

By emptying, the material is ejected out of the bucket via the hydraulic backwall. There are several embedding variations:

Spreading

The material is deposited to the required thickness in either forward or reverse motion, without any significant compacting resulting from the running tracks.

Bottoming

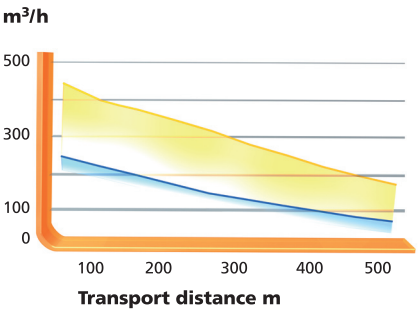
Locally or on stockpiles, to a height of up to 2 m in one emptying action.

Sloping Edges

The material is ejected directly over the edge of the slope.

Blade Work

With the dozer blade, extra work such as roadway construction, levelling and mass earth-displacement over short distances can all be carried out.



Information: Coming soon SR T-12 TIGER!!

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