

## PRESS – RELEASE

### **Low consumption and high comfort**

The new generation of weycor wheel loaders starts with the AR 520

Innovative spirit, precision and powerful engine technology form the basis for the new generation of weycor wheel loaders. Atlas Weyhausen is exhibiting the AR 520 from this new generation at the GalaBau in Nuremberg.

The new weycor AR 520 features powerful engine technology. The TCD 3.6 L4 engine from Deutz's new generation of engines delivers 80 kw (109 hp), and the exhaust gas and injection system are equipped with multi-layered technology. The engine is currently certified to EU Stage 4 emission standards with the combination DOC + SCR for exhaust after-treatment. From 2019, the combination DOC + DPF + SCR will also meet EU level 5.

The AR 520 offers reassuringly high power reserves for difficult applications with less fuel consumption, as well as a series of other innovations that have a real impact in tough construction assignments. And you can tell what's inside by the changed type designation and the product name "weycor".

The AR 520 is also equipped with key features that make everyday work easier. This ensures fast & easy maintenance and upkeep thanks to centrally arranged, easily-accessible service points. The comfort cab guarantees safe, fatigue-free work with excellent all-round visibility, clearly arranged instruments and ergonomic design.

The negative brake holds the wheel loader securely in position on a slope when the brake or inching function is activated. All four wheels are automatically locked, even when the engine is stopped. Here, safety is paramount.

Atlas Weyhausen is the only manufacturer to equip its weycor wheel loaders with a separate inching pedal. The result is less wear and lower fuel consumption. Unlike a combined braking/inching pedal, the separate inching pedal eliminates the risk of inadvertently activating the main brake.

The articulated swivel joint ensures maximum manoeuvrability, and the low centre of gravity provides the AR 520 with unique stability even off-road. With the hydraulic quick-change mechanism, the wheel loader becomes an all-rounder and allows for attachments to be changed in seconds. The tried-and-tested weycor kinematics provide high breakout forces and excellent lifting heights. The boom tapered towards the top provides the best possible view of the attachment.

A weycor wheel loader can be moved in three different ways: in operation from 0-6.5 km/h, in on-road drive at up to 20 km/h or optionally in overdrive at up to 40 km/h. The 1st and 2nd hydraulic gears as well as forward and reverse drive can be shifted under load.

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The weycor gearstick is used to switch between forward and reverse drive and between different speeds. The drive system is controlled via the accelerator pedal and a separate in-ching pedal for optimal distribution of the hydraulic power to both propulsive power and lifting power.

Technical data of the AR 520:

Standard shovel capacity	SAE 1.1 m <sup>3</sup>
Breakout force	6,800 daN
Thrust	5,290 daN
Tipping load extended	5,170 kg
Tipping load bent	4,565 kg
Lifting force bottom length	6,035 kg
Operating weight	6,450 kg

Image caption:

The new AR 520 offers high performance with low fuel consumption and particularly high comfort. Photo: weycor

[www.weycor.de](http://www.weycor.de)

GalaBau 2018: Nuremberg Hall 7 Booth 429