

ATLAS Teamwork:



ATLAS wheel loaders: Your most versatile team partners.

ATLAS
WEYHAUSEN

ATLAS Teamwork

Powerful new partners emerged from a fine tradition: ATLAS wheel loaders.

For more than 30 years, F.Weyhausen GmbH & Co. KG has been producing compact wheel loaders for various fields of application. The remarkable ATLAS wheel loaders are appreciated as reliable partners in areas such as construction, gardening and landscaping, agriculture, handling of goods and recycling all over the world.

As an independent medium-sized traditional German company, we still believe in the values which provide the basis for our success: A well-trained and highly motivated staff as well as high-class components for excellent products.

At the same time, we face the ever-changing challenges of the market by encouraging and constantly implementing innovations. Many developments which are taken for granted today can be traced back to their origin at ATLAS Weyhausen, ranging from the first self-acting mobile excavator on wheels to the ATLAS diagnosis system, which allows for permanent supervision of the machine.

Thanks to our lean company structure, we can act in a particularly efficient way in order to offer a versatile product range at fair conditions. Last but not least, we cultivate close and friendly relationships – both among our staff and particularly with our customers and suppliers.

This intensive communication serves as a sound basis for the continuous advancement of our wheel loaders, which, due to their variety and innovative technology, have kept setting new benchmarks ever since we started manufacturing them.

Our latest generation of wheel loaders will convince you of their readiness to meet the challenges posed by everyday heavy-duty jobs: Just rely on them as your powerful, versatile and reliable partners for professional teamwork.



Niels Mansholt,
Product Manager
Construction Machinery
at ATLAS Weyhausen

work:



“As the scope of application for modern wheel loaders widens, our product range becomes more various and comprehensive all the time. From the smallest to the biggest model, virtually all our wheel loaders get even the most challenging jobs done in the unique ATLAS way: Powerful, precise, maintenance-friendly and with that unbeatable effortlessness upon which their reputation as inimitable multifunctional and reliable team partners rests.”

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ATLAS wheel loaders: Powerful partners that help you achieve more.



For more than 30 years, ATLAS wheel loaders from Wildeshausen have stuck up for maximum performance. Today, 12 different types with bucket capacities ranging from 0.34 m³ to 1.6 m³ and engine powers from 33.5 hp (24.6 kW) to 125 hp (92 kW) keep setting new standards for an ever-growing scope of application, thanks to their efficiency and safety, their cost-effectiveness and versatility. Among them, you will surely find just the right partner for your individual needs.

- **A wide range of applications**
- **Latest technology**
- **Exceptional reliability**
- **Low maintenance – high user-friendliness**

work:

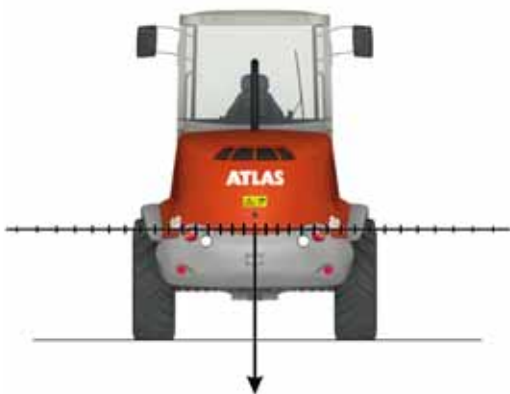


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Technical highlights.

Hydraulic quick-change attachment

By allowing you to change the wheel loader's attachments in a few seconds, it turns the vehicle into an all-rounder.



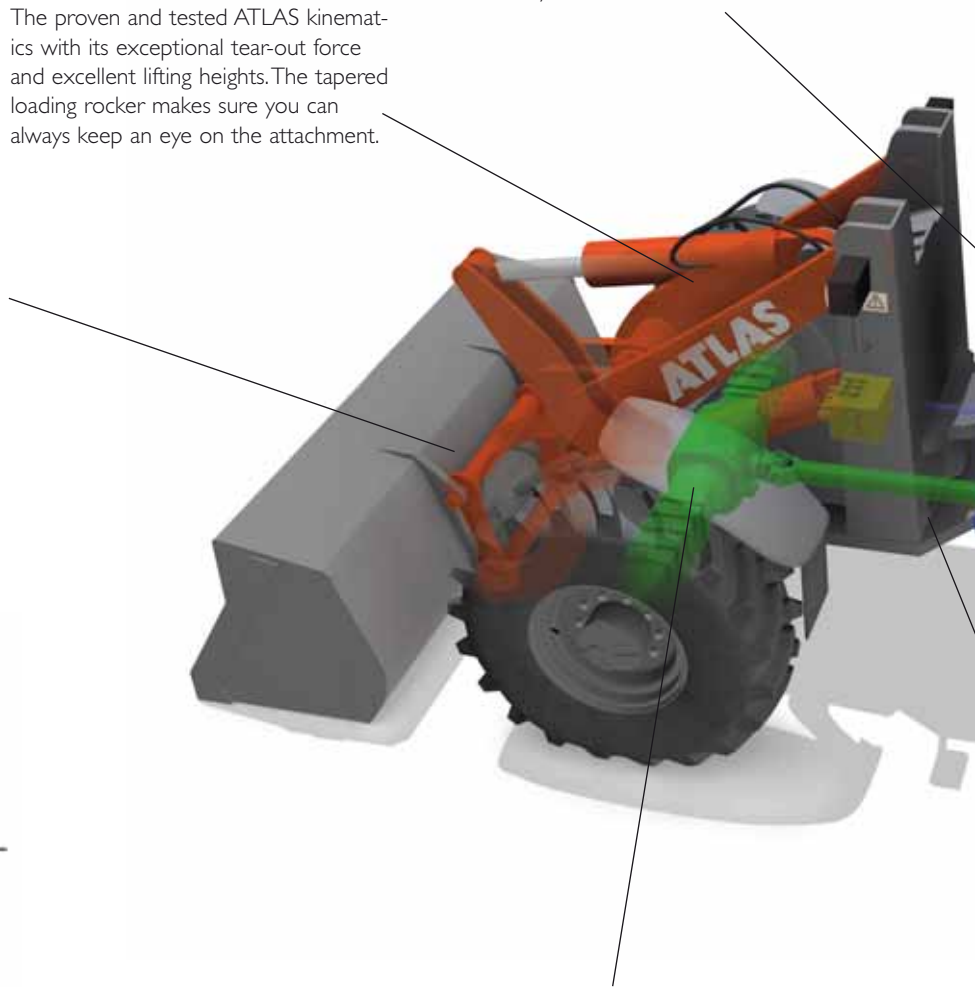
Thanks to their low center of gravity, ATLAS wheel loaders are secured against tipping, even under extreme circumstances.

Lifting unit

The proven and tested ATLAS kinematics with its exceptional tear-out force and excellent lifting heights. The tapered loading rocker makes sure you can always keep an eye on the attachment.

Separate inching pedal

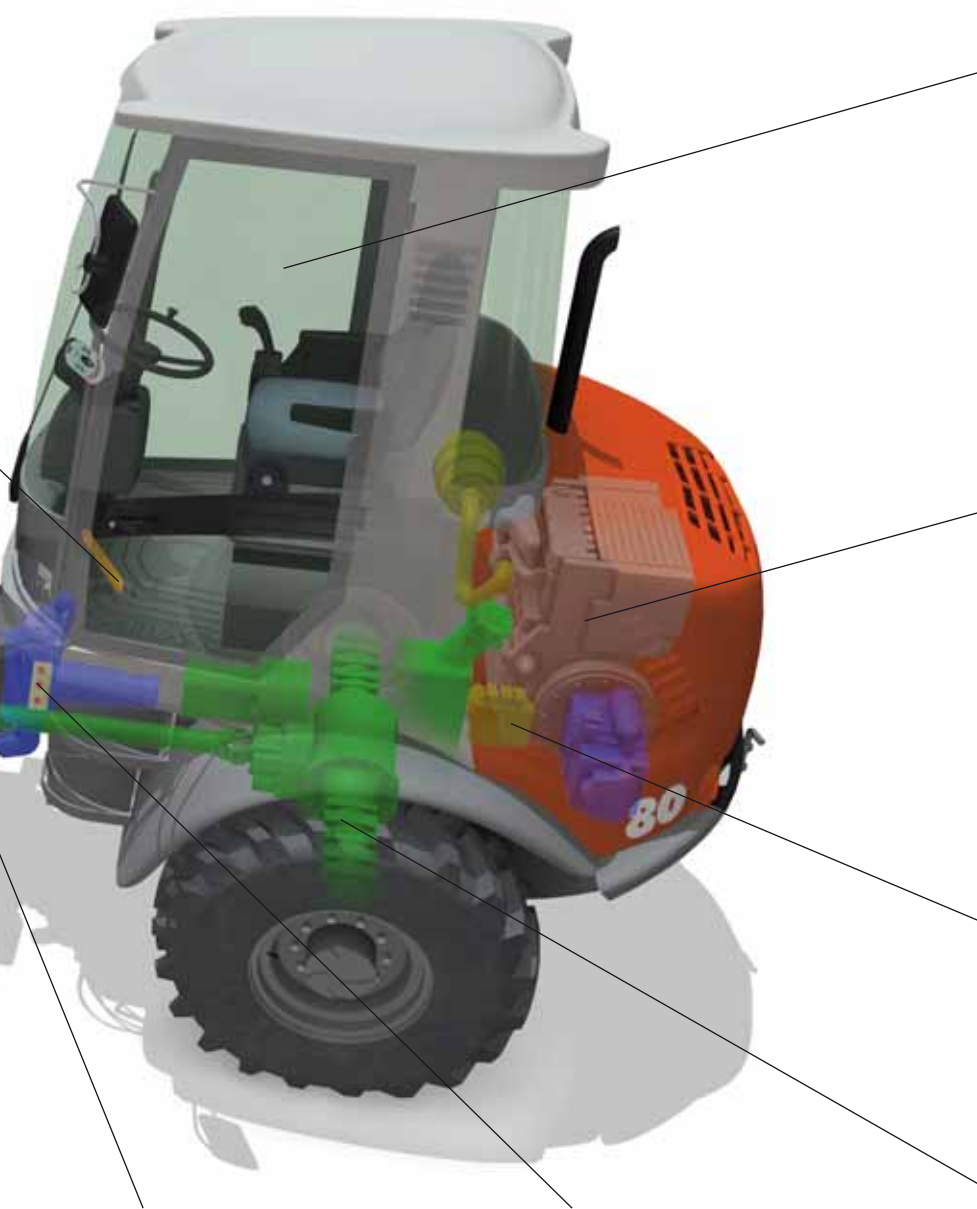
Less wear & tear and fuel consumption: In contrast to the conventional combined brake/inching pedal, with the separate inching pedal, the risk of inadvertently activating the main brake while you drive is eliminated.



Axles

Rigid axles with planet gear reduction and part-time 100% differential lock ensure powerful propulsion, excellent traction, negligible abrasion of the tires and a technique that goes easy on the soil.

work:



Comfortable cabin

In addition to the excellent circumferential visibility in the wheel loader; its clearly arranged controls and its ergonomic design, the individually adjustable steering column and driver's seat and the left and right control panels fitted with a joystick are further features that contribute to the driver's safety and serve to prevent tiredness.

Engine compartment

The engine hood has been designed to open widely in order to establish easy-to-reach service points. Modern, low-emission engines offer power reserves for challenging operations. The filling pieces have been installed under the engine hood and are thus protected against vandalism.

Hydraulic drive unit

All four wheels are hydraulically operated and equipped with a load limit sensing control, which ensures an excellent force closure between the diesel engine and the drive unit.

Negative brake

Serves to maintain a stable position while the wheel loader is driven on slopes with the brake or inching function activated. All four wheels are automatically blocked as soon as the engine is stopped.

Articulated pendulum joint

Provides for excellent maneuverability and cross-country mobility. Even on challenging terrain, the low center of gravity ensures exceptional stability.

User-friendliness

Low-maintenance and quick, easy servicing is achieved by central, consolidated, easy-to-reach service points.

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The highlights in detail.

Powerful drive unit

ATLAS wheel loaders are equipped with state-of-the-art engines which combine high power reserves for challenging operations with up-to-date low emission values. The hydraulically operated drive unit, which is equipped with a load limit sensing control, affects all four wheels and serves to establish an excellent force closure between the diesel engine and the drive unit. Rigid axles with planet gear reduction in the wheel hubs and the part-time 100% differential lock ensure powerful propulsion, excellent traction, negligible abrasion of the tires and a technique that goes easy on the soil.



Latest kinematics technology

The ATLAS Z-kinematics is characterized by high tear-out forces and excellent lifting heights. The exceptional parallel tracking is the perfect basis for the use of pallet forks. Lowering the lifting unit with a bucket attached to it causes the bucket to automatically go back to the idle position. Thanks to the tapered loading rocker, an excellent view of the attachments and the wheel loader's surroundings is always ensured, even under challenging circumstances.



work:



Separate inching pedal

ATLAS is the only manufacturer that offers a separate inching pedal. In contrast to conventional combined brake/inching pedals, with a separate inching pedal, the danger of driving against the service brake is banned. A generously dimensioned inching area enables the driver to fine-tune the distribution of the shearing load and the lifting force. As a result, there is less wear and tear and the fuel consumption is considerably reduced.



Articulated pendulum joint

Tough, low-maintenance articulated pendulum joints which pivot at an angle of ± 12 degrees in the rear end and an angle of 40 degrees on both sides ensure excellent cross-country mobility, extreme maneuverability and a technique that goes easy on the soil. The front and the rear end always run safely in one track.

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Negative brake

This closed brake system (multiple disc brake in an oil bath) makes sure the wheel loader maintains a safe position while the brake or inching function is activated and the vehicle is being driven on a slope. As soon as the engine stops, all four wheels are automatically blocked. The multiple disc brake runs in an oil bath, which considerably reduces its wear and need for maintenance.



Easy maintenance

The engine hood has been designed to open widely in order to provide easy access to all areas that are relevant to the wheel loader's maintenance and servicing needs. With the engine hood closed, the vehicle is effectively secured against vandalism. The greasing points – often a particularly problematic issue – have been consolidated and installed in easy-to-reach areas.



work:



Hydraulic quick-change attachment

Whether a bucket, pallet forks or a road sweeper – with the hydraulic quick-change attachment, it takes just a few seconds to change the wheel loader's implements. This standard feature turns the vehicle into an all-rounder. In order to use hydraulic attachments, the third section is proportionally adjustable. Thanks to a wide range of additional optional equipment, all ATLAS wheel loaders can be adapted to a large variety of individual needs. Fields of application like recycling or the use of hydraulically operated attachments do not cause any problems.



Excellent circumferential visibility

An unobstructed view from the cabin makes sure the driver can always see the location points of the attachments, which considerably facilitates changing the attachments.

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ROPS panoramic cabin*

Whether driving forwards or backwards – the ROPS panoramic cabin of our ATLAS wheel loaders offers excellent circumferential visibility in any situation. The steering column and the driver's seat are individually adjustable, which also applies to the left and the right arm consoles with the joystick. These features, in conjunction with the ergonomic arrangement of the operating elements, serve to ensure safe operation and to prevent tiredness. It goes without saying that the panoramic cabin can be easily accessed from both sides of the wheel loader.



Joystick with curling wheel

As a convenient addition to the proportional adjustment of the third section, the joystick is equipped with a potentiometer. Thus, the additional functions of hydraulic attachments can be directly operated by means of the joystick. A second lever is not necessary.



*FOPS variant available as an optional feature

work:



Standard dashboard

It keeps the driver informed of all the important data related to the operation of the wheel loader (such as fuel gauge, engine hour meter, charging warning lamp, oil pressure and oil temperature control lamp) at all times.



ATLAS diagnostic system (ADS)

The ATLAS diagnostic system offers a wide range of additional control features and the supervision of further machine parameters, among them the activation of the high-speed option, the supervision of service parameters and individual settings. The ADS is equipped with an integrated electronic immobilizer (anti-theft device).

ATLAS Teamv

Our models and their technical details.



AR 35/35 Super



Operating weight	2500 kg / 2875 kg
Power	24.6 kW (33.5 HP) / 29.4 kW (40 HP)
Shovel capacity	0.34 m ³ / 0.40 m ³

AR 65 Super



Operating weight	4800 kg
Power	51.3 kW (70 HP)
Shovel capacity	0.80 - 1.00 m ³

work:

AR 40



Operating weight 3300 kg
Power 29.4 kW (40 HP)
Shovel capacity 0.50 m³

AR 50



Operating weight 3950 kg
Power 42 kW (57 HP)
Shovel capacity 0.7 m³

AR 60



Operating weight 4650 kg
Power 47.5 kW (65 HP)
Shovel capacity 0.85 m³

AR 75



Operating weight 5600 kg
Power 55 kW (75 HP)
Shovel capacity 1.00 m³

AR 75 S



Operating weight 6000 kg
Power 55 kW (75 HP)
Shovel capacity 0.80 m³

AR 80



Operating weight 5750 kg
Power 59.3 kW (81 HP)
Shovel capacity 1.00 m³

AR 85



Operating weight 6700 kg
Power 71.2 kW (97 HP)
Shovel capacity 1.30 m³

AR 95/95 Super



Operating weight 7900 kg / 8100 kg
Power 74.9 kW (102 HP) / 92 kW (125 HP)
Shovel capacity 1.40 m³ - 1.60 m³

AGT



Operating weight 4900 kg
Power 59.3 kW (81 HP)
Shovel capacity 0.80 m³

Subject to technical alterations.

ATLAS Teamwork

ATLAS wheel loaders: Simply use them everywhere.

Agriculture

Whether a bale grapple, a manure and hay fork or a silage grapple – with the hydraulic quick-change attachment, it takes only a few seconds to turn an ATLAS wheel loader into the perfect partner for even the most specific agricultural operations. The roll-over bar can be turned down in areas with low headroom.



Landscaping

An ATLAS wheel loader is the right partner for all kinds of jobs, such as moving soil, cutting shrubs and hedges, paving or moving entire trees – and its flexibility and precision ensure safe work while preventing tiredness in any situation.



work:

Municipal enterprise

Equipped with a special anticorrosive and a hi-tip bucket, ATLAS wheel loaders get the job done even where other vehicles abandon the field – on the autobahn and on expressways in winter, for instance, where they free the road from snow and distribute salt in one step.



Recycling

In extreme situations, protective screens for cooling and combustion air serve to filter the intake air. Thanks to optional features such as pollutant control equipment or specifically equipped cabins, an ATLAS wheel loader ensures excellent working conditions at all times, under all kinds of circumstances.



ATLAS Teamwork

Civil engineering and road construction

No matter whether the challenge lies in transporting, (un)loading, excavating, leveling, scooping or backfilling – ATLAS wheel loaders go about doing the job with excellent stability, extreme maneuverability, high payloads and exceptional shearing and lifting forces!



Narrow working zones

Since the lifting unit of the ATLAS swing loader can be turned to both sides of the vehicle up to a maximum angle of 90 degrees, steering is not necessary in order to unload material. The articulated joint provides for great maneuverability and makes sure that the front and the rear end always run in one track, thus going easy on the soil.



work:

Main contract work

Due to their reliability and versatility, ATLAS wheel loaders – the compact, agile loaders as well as the big, powerful all-rounders – will easily convince you that they are always the perfect choice, both for smaller construction sites and big building projects.



Handling material

Thanks to their large-volume buckets, our ATLAS wheel loader types AR 85 and AR 95 combine extreme capacity with great dumping heights to ensure quick and trouble-free truck loading. With the high-speed variant, a maximum speed of 40 km/h can be reached, which takes the wheel loader to the working site even faster.



ATLAS Teamwork

Powerful and amazingly versatile: the AGT.

Reinforcement for the ATLAS team!

From now on, a new highlight that is both powerful and flexible will add to the versatility of our range of products: the AGT. Not only does this machine incorporate all the top-class features of an ATLAS wheel loader – it also serves as a heavy-duty tractive platform. Thus, wherever a reliable full-fledged wheel loader is needed, the AGT will do as excellent a job as all our renowned ATLAS wheel loaders. In addition to this, however, the AGT is equipped with powerful drive units which allow for the safe and trouble-free operation of attachments with high power requirements. It is this impressive flexibility which makes it a true all-rounder – particularly suited for fields of application like municipal enterprises, landscaping and gardening as well as agriculture and forestry.

A 59.3 kW/ 81 HP engine provides sufficient output for all kinds of mechanically or hydraulically operated attachments. Mechanically operated implements are attached to an optional hydraulically adjustable 3-point rear adapter (category II) and powered by means of a hydrostatically operated p.t.o. shaft.

The operation of hydraulic high-performance attachments at the lifting unit is made possible by the optional High-Flow hydraulics whose functioning is independent of the working hydraulics and which provides a hydraulic output of 120 liters per minute (rate of flow) at a working pressure of 210 bar. Since the hydraulics of the lifting unit are load-independent of the power requirements of the attachments, the implement in question can be re-positioned at all times.



work:



ATLAS Teamwork

Get a grip on any job – with ATLAS attachments.



ATLAS wheel loaders and ATLAS attachments are the ideal combination. Since state-of-the-art technology and the latest advancements in mechanical engineering and steel construction serve as the basis for their development and manufacturing, they offer maximum flexibility and safety. Tough steels and quality components guarantee cost-effective and efficient work for all operations. No matter whether you choose the standard version or a special variant: Our wheel loaders are the result of modern technology and longtime experience – a combination you can rely on!

- **High-quality, field-tested technology**
- **Safe functioning and handling**
- **Quick, trouble-free assembly and disassembly**
- **Exceptional ease of maintenance**

work:



ATLAS Teamwork

4-in-1 bucket



The right choice for leveling work, backfilling trenches or canals, transporting and loading bulk material.

Loading bucket with teeth



For jobs such as transporting bulk material (for instance sand or broken stone), leveling of small and larger areas, digging away of mine workings or trenches, backfilling of trenches, excavations, etc., loading of trucks and trailers, horticulture and landscaping.

Loading bucket



For jobs such as transporting bulk material (for instance sand or broken stone), leveling of small and larger areas, digging away of mine workings or trenches, backfilling of trenches, excavations, etc., loading of trucks and trailers, horticulture and landscaping.

Side tipping bucket



The right attachment to transport and load bulk material (sand, broken stone, etc.) and to backfill trenches and canals on narrow construction sites.

High tipping bucket



Serves to transport and load bulk material (sand, broken stone, etc.). Particularly suited for loading high trucks and trailers and stacking bulk material (e.g. de-icing salt).

Light material bucket with clamp



Choose this implement to transport and load bulky goods (brushwood, undergrowth, waste wood, etc.). The shape of the clamp and the side walls can be custom-made according to your individual needs.

work:

Stone fork



The right choice for transporting cobblestone and bricks and for loading loose stones, uptaking pavements, debris or extremely cohesive earth (such as adobe) onto trucks and trailers.

Pallet forks



Use pallet forks to transport and load piece goods. Particularly useful for stacking and great heights (e.g. for piling up pallets or bricks, high rack and scaffold loading).

Log and lumber fork



Designed to transport and load wood (separate logs or bundles) or other bulky objects.

5-tine scarifier



Scarify and loosen soils and paths with this attachment.

ATLAS Teamv

Adjustable grapple



For jobs such as lifting and putting down building material, loading trailers and trucks, high rack and scaffold loading.

Silage grapple



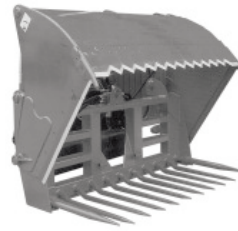
Use this implement to transport and load silage, pressed animal feed and similar materials.

Polder forks (with/without gripper)



Serve to transport and load wood (separate logs or bundles) or other bulky objects; particularly recommended for forestry.

Silage cutting grapple



Use this implement to transport and load silage, pressed animal feed and similar materials.

Dung fork



The right choice if you intend to transport and load manure, straw, hay, etc. A hydraulic gripper is available as an optional accessory.

Crane arm (hydraulically swingable)



The right attachment for you if you intend to transport and load material to/from great heights, to place curbstone or canal parts or to lift or position railroad ties, etc.

work:

Extended pushing blade



Pile up bulk material such as de-icing salt, fertilizer, corn, etc.

Front-end road sweeper



Sweep and clean roads, streets, paths and other surfaces with this attachment.

Leveling blade and snow plow



Remove snow from roads and surfaces or use this implement (provided that it is adequately equipped) for leveling.

V-type snow plow



The perfect choice for snow removal.

ATLAS Teamwork

ATLAS tires: The best tread for excellent traction.



In order to enable our ATLAS wheel loaders to use their power to full capacity and apply it to all kinds of jobs and on all kinds of soil, they can be equipped with different tires for specific purposes. The following overview is just a small excerpt from the wide range of tires available for ATLAS vehicles.



- **Specifically adjusted tread patterns**
- **High stability**
- **Excellent traction**
- **Enduring heavy-duty quality**

Tire types at a glance.



XZSL

Reliable and robust multipurpose tire, suitable for use in areas such as recycling, industrial operation and on construction sites. Excellent operational performance and good traction.



EM20

Suited for operation on rather soft soils, its high traction, durability and good self-cleaning properties are among the advantages of this tire. An extra-tough tread pattern stabilizes and cushions the wheel loader on tough grounds.



MPT

Self-cleaning multipurpose tire with traction tread for use on sand and gravel, forest soil, roads and paths.



EM

This tire with high traction and good self-cleaning properties, whose performance is independent of the running direction, can be used both on soft and gravelly grounds. Its flat tread pattern profile provides for an even pressure distribution, great running smoothness and comfort on the road. It is suited for adobe, sand, gravel, roads, landscaping and horticulture.



XM

Wheel loader tire with enormous traction force for use on adobe, sand, gravel, farmland and grassland. The tread pattern with its angular cleats provides for extra protection of the tire flanks. Its surface features a handy, wear-resistant tread with excellent self-cleaning properties. Low tire pressures allow for operation on soils with low carrying capacities.

- Further tire types available on request
- Suitability of tire types depends on wheel loader type

ATLAS Teamwork

For your notes.

work:

ATLAS Teamwork:



The ATLAS product range

When it comes to earth-moving tasks and soil compaction, the ATLAS product range leaves nothing more to be desired. In addition to the ATLAS wheel loaders, we take pride in our renowned ATLAS compaction rollers for lots of further applications. Our machines are strong and reliable as well as versatile and made-to-measure in all available categories and individual variants. Welcome to the team!

Subject to technical alterations.

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