

Schäffer



TYRES

The right solution for every surface



MADE FOR MORE.



THE RIGHT TYRES FOR YOUR LOADER

Only with the right tyres can the high thrust force of your Schaffer loader be transferred effectively and efficiently to the surface.

That is why choosing the right tyres is an important part of configuring your loader. It directly influences the load capacity, traction, service life, ground protection, cost-effective operation and fuel consumption of the machine.

We will help you select the optimum combination of tread, tyre size and wheel offset. We can also provide tailored advice if special machine widths or heights are required. You can thus ensure that your Schaffer loader works efficiently, stably and economically in every situation.

Get in touch – together we will find the best solution for your application.

TYRE OPTIONS



Information on which tyres and tread types are available for the relevant machine is specified on the details page of each machine, on our website and in the app.

COMPARISON OF RADIAL AND DIAGONAL TYRES

RADIAL TYRES



Radial tyres are designed in such a way that the fabric layers of the carcass run vertically to the direction of travel, i.e. "radially". The fibres and steel wires radiate outwards from the centre of the tyre. This means that the side and tyre tread operate largely independently of one another, which makes the tyre more elastic. This improves cornering behaviour and driving comfort, reduces the resistance to rolling and ensures greater comfort.

Advantages

- Excellent steering behaviour and better road grip
- Higher driving comfort thanks to flexible side wall
- More resistant to damage of the tyre tread
- Low fuel/energy consumption
- Reduced slippage on the ground
- High load capacity at low air pressure (ground protection)

Disadvantages

- Soft shoulders, less robust e.g. in the event of kerb contact or lateral loads
- Higher purchase price

DIAGONAL TYRES



Diagonal tyres are characterised by a design where several layers of nylon fibres are laid diagonally (approx. 55°) on top of one another. This generates a stiff, stable carcass that can bear high loads and is well protected against damage.

Advantages

- High stability of the vehicle
- Greater resistance to damage of the side walls

Disadvantages

- High resistance to rolling, causing the tyres to heat up quickly
- Not as comfortable
- Increased fuel/energy consumption
- Increased wear

TREAD VARIANTS

AS FARMER

This tyre tread is suitable for a wide range of applications. These tyres are often part of the standard equipment on Schäffer loaders. The AS Farmer tread is suitable for a wide range of surfaces, it transmits high thrust forces and has an exceptional self-cleaning effect. The first choice, especially on slippery surfaces, whereas other treads are more suitable on hard surfaces.



AS (A331)

On telescopic wheel loaders, the tyres must combine a high load capacity with the widest and most stable contact area possible. This is made possible by the stable, diagonal construction of the carcasses. However, the tyres also provide outstanding thrust transmission and absolutely convincing wear behaviour. The self-cleaning effect is also very good.



AS (MP 590)

A robust tyre for agroindustrial applications. The wide tyre tread ensures high stability and load capacity. The special design ensures excellent traction and high resistance to frequent lifting and manoeuvring on firm ground. A reliable all-round tyre for demanding loading work.



SKD

The SKD tread is perfect for all construction applications. It is also suitable if the loader is primarily used on smooth concrete surfaces. The SKD tread is extremely wear-resistant. The high load capacity and side strength also ensure it can be used for forestry work. At the same time, these properties have a positive impact on the stability of the loader.



MPT A608

The multifunctional tyre in the loader sector. Ideally suited for smooth concrete surfaces as well as for loose ground and arable land. The tread ensures high traction on all surfaces. Thanks to the centre lugs, the tread has the edge even with a very high proportion of road use. The tread is very wear-resistant and offers a high load capacity thanks to the rigid carcass.



A601

The A601 block tread is primarily used in the construction industry. It offers very good traction, particularly on loose surfaces such as stone or gravel, and combines this with impressive driving comfort. The tread is also characterised by its efficient self-cleaning properties and long service life.



BIBLOAD HS

The tread offers optimum driving comfort, strong traction and a very high level of stability. The large tread blocks ensure slow wear even on rough surfaces, while the reinforced side offers additional protection against damage caused by impacts. It also guarantees reliable traction in dry, wet and slippery conditions thus ensuring safe use in changing conditions.



RIDEMAX FL693 M

This tread is specially designed for road travel and use on solid surfaces such as concrete. It impresses with its high load capacity and focusses on driving comfort and good self-cleaning properties. The low resistance to rolling supports economical operation through reduced fuel consumption, while the reinforced bead guarantees greater durability.



ALLGROUND/TREDLITE

Particularly suitable for soft surfaces such as grass or sand. This tread combines ground protection and the possibility of high thrust transmission. Extremely suitable for slopes and smooth operation. High mileage thanks to optimised tread design.



MULTI TRAC

This tread is the first choice if you really need to be as gentle as possible to the ground. Special areas of application include gardening and landscaping, golf courses or non-load-bearing substrates. The rather wide tyres reduce the pressure on the ground to a minimum.



AW

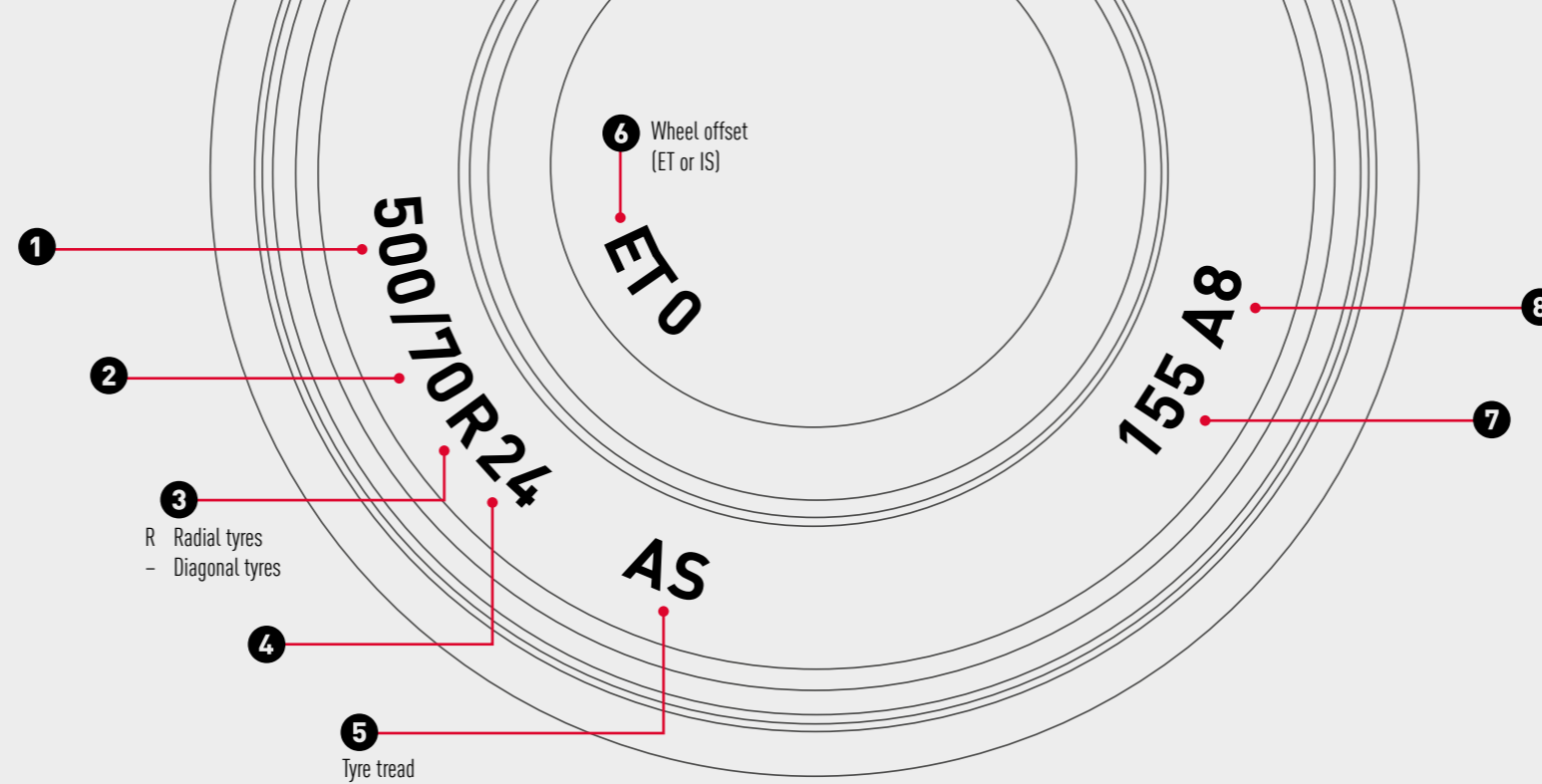
The grooved tread enables high load capacities with minimal ground soil compaction. It offers excellent driving characteristics on roads and in the field and ensures comfortable, stable driving conditions. A long service life is guaranteed thanks to the robust design. The ground-protecting tread ensures that the tyre is highly versatile and particularly suitable for changing surfaces.



READING TYRES

What initially looks like a numerical code is actually a standardised marking for tyres, which is usually made up of schematic information. Each number and each letter stands for certain dimensions and technical features. In the following examples, we explain what the characters are made up of and what the individual details mean.

Every time you place an order, please specify the tyre size, wheel offset (ET), and preferred tread.



1	2	3	4	5	6
500/70R24 AS ET 0	500/70R24 AS ET 0	500/70R24 AS ET 0	500/70R24 AS ET 0	500/70R24 AS ET 0	500/70R24 AS ET 0
Tyre width in mm	Height/width ratio in %	Radial tyres	Rim diameter in inches	Tyre tread	Wheel offset (rim)
15.0/55-17 AS ET -40	15.0/55-17 AS ET -40	15.0/55-17 AS ET -40	15.0/55-17 AS ET -40	15.0/55-17 AS ET -40	15.0/55-17 AS ET -40
Tyre width in inches	Height/width ratio in %	Diagonal tyres	Rim diameter in inches	Tyre tread	Wheel offset (rim)
425/55R17 AS ET 45	425/55R17 AS ET 45	425/55R17 AS ET 45	425/55R17 AS ET 45	425/55R17 AS ET 45	425/55R17 AS ET 45
Tyre width in mm	Height/width ratio in %	Radial tyres	Rim diameter in inches	Tyre tread	Wheel offset (rim)

LOAD AND SPEED INDEX

The load capacity and speed index are also indicated on the side of the tyre.

The load index **7** is represented by a numerical code. This index indicates the maximum load capacity of the tyre (see "Load index" table). The letter or number/letter combination that follows indicates the speed index **8**. It defines the speed up to which the specified load capacity of the tyre is guaranteed (see "Speed index" table).

LOAD INDEX (LI) 7

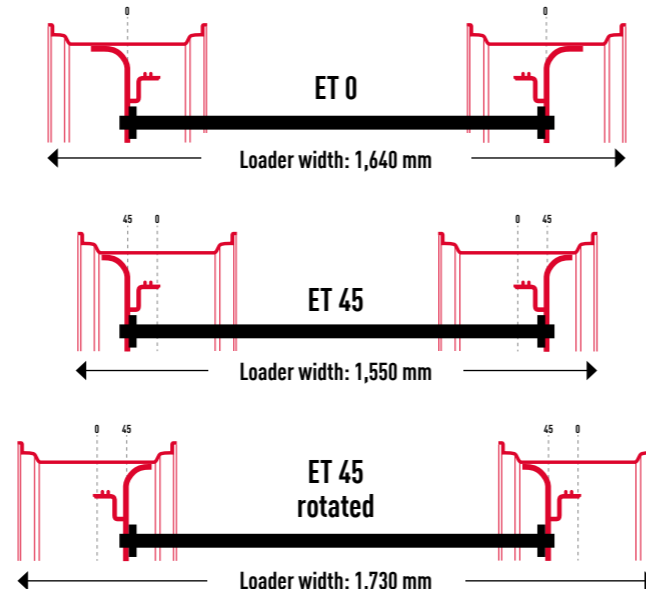
LI	kg	LI	kg	LI	kg	LI	kg
83	487	97	730	121	1450	145	2900
84	500	108	1000	122	1500	146	3000
85	515	109	1030	123	1550	147	3075
86	530	110	1060	124	1600	148	3150
87	545	111	1090	125	1650	149	3250
88	560	112	1120	126	1700	150	3350
89	580	113	1150	137	2300	151	3450
90	600	114	1180	138	2360	152	3550
91	615	115	1215	139	2430	153	3650
92	630	116	1250	140	2500	154	3750
93	650	117	1285	141	2575	155	3875
94	670	118	1320	142	2650	166	5300
95	690	119	1360	143	2725	167	5450
96	710	120	1400	144	2800	168	5600

WHEEL OFFSET (ET)

The wheel offset determines how far the wheel protrudes inwards or outwards. It is measured in millimetres and is the dimension from the centre of the rim to the inner contact surface of the wheel centre, where the wheel is attached to the nave.

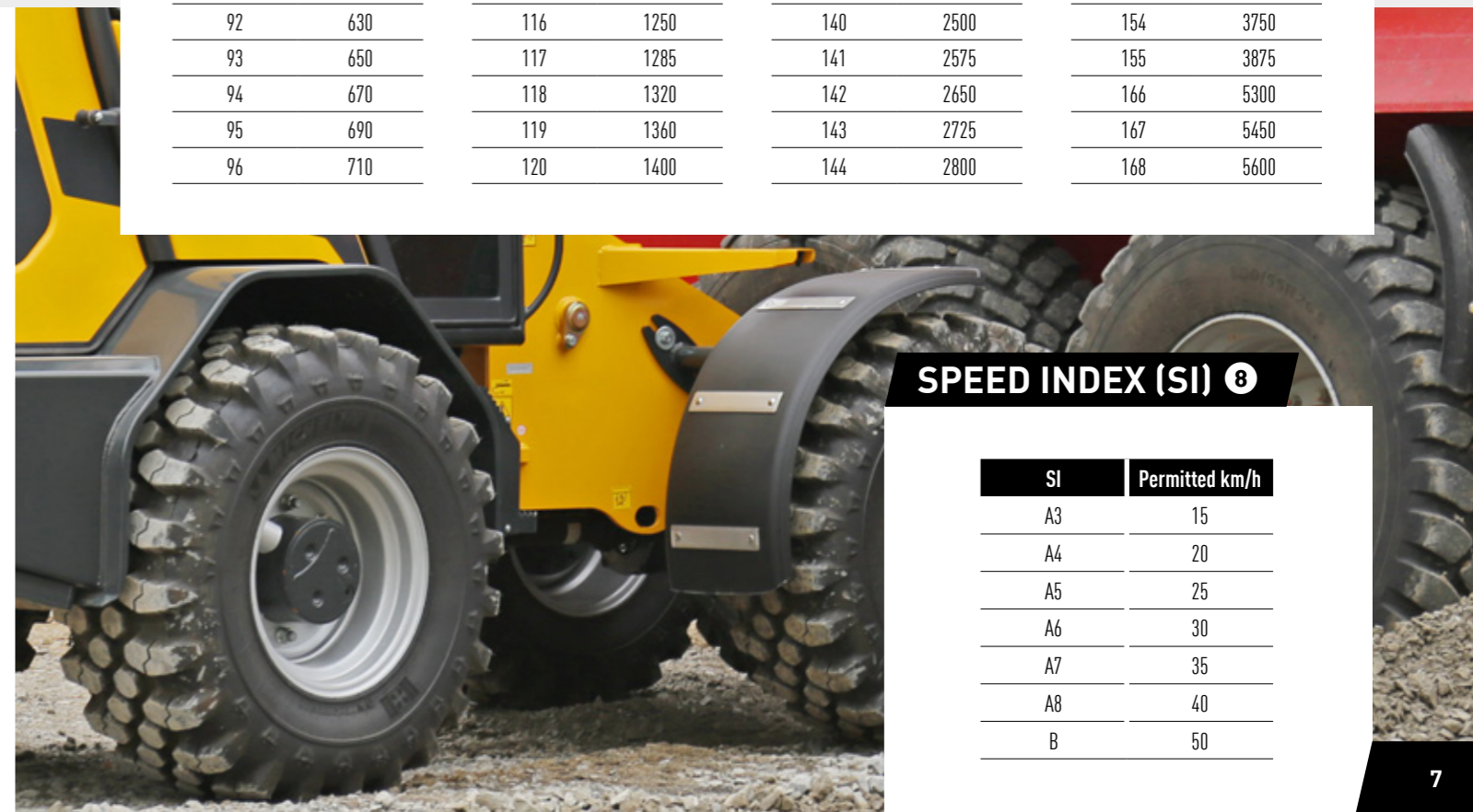
A **positive ET (+)**, allows the wheel to sit further inwards and makes the machine narrower. Perfect for narrow paths or passages. A **negative ET (-)** moves the wheel outwards, increasing the machine width and thus improving the stability and sturdiness. Depending on the design, a turned rim can also change the machine width.

Example: 4670 T with 440/50-17 tyres:



SPEED INDEX (SI) 8

SI	Permitted km/h
A3	15
A4	20
A5	25
A6	30
A7	35
A8	40
B	50





MADE FOR MORE.

Because we know: If you want more, you need more than just standard. That is why we at Schäffer never settle for the first thing that comes along. We think ahead and have been developing machines that truly make a difference in the real world for 70 years. Machines that offer more performance, more quality and more reliability for everyone who depends on powerful technology every day.

Over 45 machine types and more than 1,000 tool variants provide you with maximum flexibility, be it as a farmer, construction professional or recycling expert. Our loaders are compact, powerful and efficient and capable of handling tasks that typically demand much larger machines.

Trust in genuine "Made in Germany" quality – manufactured in Erwitte, with an exceptionally high vertical range of manufacture. Schäffer relies on robust materials and high-quality components. From specially developed axles and solid articulated joints to countless thoughtful details, every element ensures maximum stability and reliability, even in the most demanding conditions. Some features that are not available elsewhere or are only available at extra cost come as standard with Schäffer.

YOUR DEALER:

Specially developed technologies and efficiency systems noticeably enhance performance and driving comfort, boosting productivity for every application.

A Schäffer machine represents unmatched product quality and long-term cost-effectiveness. Durable components, low wear, significantly reduced fuel consumption and minimal maintenance ensure consistently low operating costs.

At the same time, our machines also stand out for their high value retention and reliable spare parts supply, with 24-hour delivery available 365 days a year.

