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Stehr



FUTURE in MOTION

Full Product Line

Stehr...Maschinen für die Welt gebaut



Stehr...machines built for the world

**Soil Stabilization
Plate Compactors
Road Construction Technology
Trench cutter
Pile Drivers
Manhole Cutter**

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Plate compactor SBV 80 HC 2



Centrifugal force: 2 x 80 kN



working width: 1400 mm



The SBV 80 HC 2 was developed specifically for smaller inner-city construction sites. Despite an overall width of only 1400 mm, it achieves results when compacting granular media that no 13-ton class single-drum roller can match!

However, the major advantage is that the loader/compactor combination can be transported on a tandem car trailer. This eliminates the need for costly low-loader transports, which often consist of 50% empty runs.

Plate compactor SBV 80 H2 B



Centrifugal force: 2 x 80 kN



working width: 1900 mm



Almost no perceptible environmental vibrations, substantial fuel savings, significantly reduced pollutant emissions, and a superior CO₂ balance at higher power output.

Substantial productivity increases, accelerated construction progress due to faster and better compaction, higher capacity utilization of the wheel loader/carrier equipment, and elimination of cost-intensive heavy haulage/low-loader transports.

Plate compactor SBV 80 HC3



Centrifugal force: 3 x 80 kN



Working width: 2120 mm



Compaction control system included



Stehr-Compaction systems are flexible in application and adapt to many challenging compaction situations. Within its extensive product range, **Stehr** offers hydraulically driven compactor plates as single, double, or triple vibratory plates for attachment to various carrier vehicles.

The **Stehr** compactor plates do not have their own propulsion; instead, they are towed or pushed by the carrier vehicle. This means that 100% of the force generated by the two counter-rotating eccentric shafts is directed vertically, making it fully available for the compaction work.

Faster – Better – More Efficient

Plate compactor SBV 160-2



Centrifugal force: 2 x 160 kN



Working width: 2150 mm



Video SBV 160-2

Setting the benchmark in area compaction:
Maximum impact
Minimum consumption

Faster compaction, reduced fuel consumption, and no vibration damage — the **Stehr** SBV 160-2 makes your job site more profitable and future-proof.



© www.antal-gruppe.de



Compression measuring device included

HIGHEST PERFORMANCE. REDUCED COSTS

The Stehr SBV 160-2 is one of the most powerful attachment plate compactors on the market. Delivering a massive unbalance force of 2 x 160 kN at a high frequency of 70 Hz, it rapidly compacts even difficult soils and high lift thicknesses. Where conventional rollers require several passes and often re-loosen the surface, a single pass with the SBV 160-2 is usually sufficient due to its dynamic surface loading.

Up to 50% fuel reduction: Reduced passes and optimized utilization of the host machine's hydraulic system significantly lower diesel fuel consumption and CO₂ emissions.

Plate compactor SBV 80 H3



Centrifugal force: 3 x 80 kN



Working width: 2510 mm



Compaction control system included



Compacting a crown profile

The **Stehr** high-frequency compactor plates operate at a frequency of 70 Hz, to which smaller-diameter grains respond under resonance. The effective acceleration of larger grains is also significantly enhanced by the improved vibration transmission. All of this is achieved through the patented, continuously adjustable ballast weight on the non-vibrating upper section of the plate compactor. As a result, the material settles more densely, creating a much more homogeneous surface.

This is reflected in static plate load tests by an optimal representation of the elasticity modulus (E-modulus). Thanks to this **Stehr** invention, the use of soil compactors or pneumatic-tired rollers can be completely eliminated when compacting sandy and gravelly materials.

**Innovative ideas for road construction
and civil engineering**

Plate compactor SBV 80 H4



Centrifugal force: 4 x 80 kN



Working width: 3000 mm



Compaction control system included



The **Stehr** high-frequency compactor plates operate at a frequency of 70 Hz, triggering a resonant response in smaller-diameter grains. The effective acceleration of larger grains is also significantly enhanced by the improved vibration transmission. All of this is achieved through the patented, continuously adjustable ballast weight on the non-vibrating upper section of the plate compactor.

As a result, the material settles more densely, creating a much more homogeneous surface. In static plate load tests, this is reflected in an optimal representation of the elasticity modulus (E-modulus). Thanks to this Stehr invention, the use of soil compactors or pneumatic-tired rollers can be completely eliminated when compacting sandy and gravelly materials.

Plate compactor SBV 160-3



Centrifugal force: 3 x 160 kN



Working width: 2950 mm

100% of energy dedicated to compaction

Energy-efficient, cost-effective, and environmentally friendly soil compaction
Faster – Better – More Effective with 3 x 160 kN centrifugal force



Video SBV 160-3
incl. interview

Optional: with water sprinkling system



Compaction control
system included

Through the continuously adjustable ballast weight on the non-vibrating upper section, a vibration frequency of 70 Hertz enables rapid grain rearrangement in layers up to 40 cm deep. At the same time, virtually no vibrations are detected in the surrounding area.

The **Stehr** SBV 160-3 plate compactor is the largest and most powerful attachment compactor in our range. Optional: with water sprinkling system. The water nozzles can be finely adjusted depending on the water requirement, further improving the compaction performance.

Verge compactor SBV 80 H1S



Centrifugal force: 80 kN



Working width: 690 or 850 mm



Compaction control system included

The solution for road verge compaction

Road shoulders are a feature of every road and path. It was the **Stehr** company that recognized the problems associated with compacting them and solved them with their invention. To drain rainwater off the road surface as quickly as possible to the side, the shoulders must have a cross-slope of 12 - 15% towards the ditch. It is crucial that this part of the unpaved road body is optimally compacted. Due to the sloped surface, this is impossible with conventional compaction equipment, such as rollers and walk-behind vibratory plates.

Several accidents involving machinery crashing or tipping over in this area are well known..

Verge compactor SBV 160-B



Centrifugal force: 160 kN



Folded transport position



Compaction control system included



Because road shoulders have a 12 - 15 degree slope towards the ditch, any standard walk-behind vibratory plate or roller would slide straight into the ditch during compaction due to the incline.

The Solution for Road Verge Compaction

Excavator-mounted compactor SBV 80 / 160 HF



160 HF



80 HF



The **Stehr** 80 HF and 160 HF excavator-mounted compactors, with centrifugal forces of 80 and 160 kN at a frequency of 70 Hz, utilize the same gearboxes as those installed in attachment plate compactors for wheel loaders, etc. They are increasingly used where working with conventional attachments is impossible due to the enormous propagation of vibrations into the surrounding area. With this specific shape of the base plate, complex rotary joints and hydraulic swivels can even be eliminated. The **Stehr** concept of equipping the excavator-mounted compactor with a hexagonal base plate offers the additional advantage that no extra hydraulic circuit is required on the excavator to drive a rotary motor.

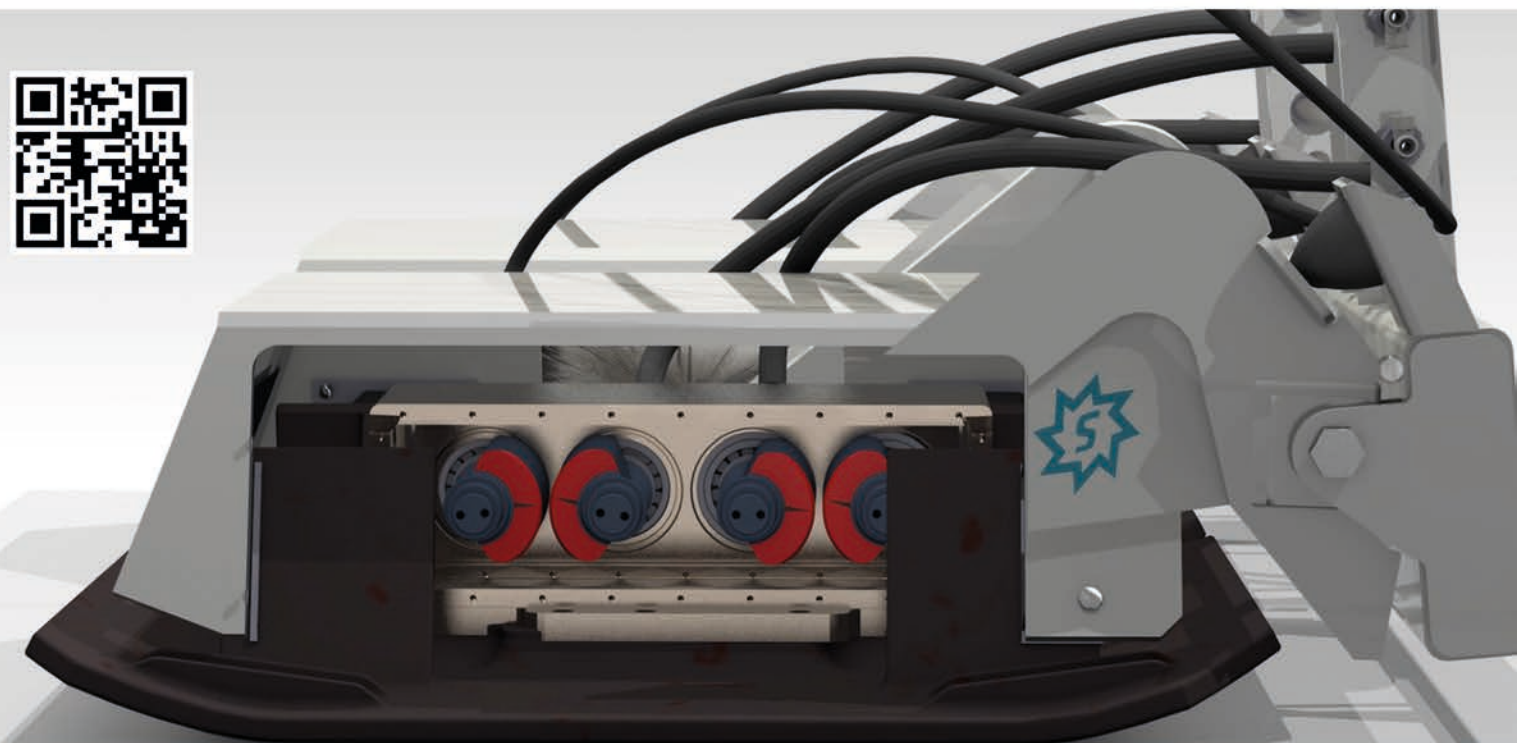
With the help of the additional contact pressure exerted by the carrier vehicle onto the plate compactor, the material becomes more densely packed.

This creates a significantly more homogeneous surface (elastic modulus), as verified by plate load tests. Measurements have shown that lift thicknesses of up to one meter can be compacted across their entire depth without any problems. Thanks to **Stehr** technology, even the most powerful compactors can be mounted on carrier vehicles weighing from 6 tons and up.

European patent EP 2 891 750 B1



No vibrations in the immediate surroundings



The new European-patented **Stehr** compactor plates, featuring 100% vertically directed downward vibrations and a vibration frequency of 70 Hz, are superior to any single-drum roller when it comes to compacting granular or crushed, non-cohesive or low-cohesive soil types.

Stehr compaction systems are versatile in their application and adapt to many challenging compaction problems. Within its extensive product range, Stehr offers hydraulically driven compactor plates as single, double, or triple vibratory plates for mounting on various carrier vehicles.

Stehr compactor plates do not have their own forward drive; instead, they are towed or pushed by the carrier vehicle. This means that the force generated by the two counter-rotating eccentric shafts is 100% vertically directed, making it fully available for the compaction work.

Water-assisted compaction



Due to the rapid succession of force application emitted by dynamic compaction equipment, the grains of the compaction material are set in motion. Their mutual friction is so intense that proper grain rearrangement into a denser position is not possible. The consistency of a soil depends heavily on its water content.

If the water content is too low, the frictional forces between the individual grains are very high, resulting in poor grain rearrangement and failing to achieve optimal compaction. This often leads to settlement damage, which subsequently causes enormous consequential damage. To achieve the correct water content required for optimal compaction, state-of-the-art methods involve extensive watering of the areas to be compacted prior to the compaction process.

Rollers or plate compactors are then deployed. Single-drum rollers, in particular, require multiple passes to compact the soil until the specified values are achieved.

Technical Data – Plate Compactor SBV

TECHNICAL DATA	SBV 80 H1S	SBV 80 HC2	SBV 80 H2	SBV 80 H2B
Weight	745-800 kg	780 kg	820 kg	865 kg
Width	690/850 mm	1400 mm	1725 mm	1995 mm
CARRIER MACHINE REQUIREMENTS				
Pump flow rate	60 l/min	60 l/min	60 l/min	60 l/min
Operating pressure	200-220 bar	180-220 bar	180-220 bar	180-200 bar
Case drain line	max. 2 bar	max. 2 bar	max. 2 bar	max. 2 bar
OPERATING CONDITIONS				
laterally shiftable L/R	900 mm	optional	optional	optional
VIBRATION SYSTEM				
Frequency (Hz)	70 Hz	70 Hz	70 Hz	70 Hz
Amplitude (mm)	1.6 mm	1.6 mm	1.6 mm	1.6 mm
Centrifugal force (kN)	1 x 80 kN	2 x 80 kN	2 x 80 kN	2 x 80 kN

TECHNICAL DATA	SBV 80 HC3	SBV 80 H3	SBV H4
Weight	1180 kg	1290 kg	1820 kg
Width	2120 mm	2510 mm	3000 mm
CARRIER MACHINE REQUIREMENTS			
Pump flow rate	70-80 l/min	70-80 l/min	120 l/min
Operating pressure	200-220 bar	200-220 bar	200-220 bar
Case drain line	max. 2 bar	max. 2 bar	max. 2 bar
OPERATING CONDITIONS			
laterally shiftable L/R	optional	optional	/
VIBRATION SYSTEM			
Frequency (Hz)	70 Hz	70 Hz	70 Hz
Amplitude (mm)	1.6 mm	1.6 mm	1.6 mm
Centrifugal force (kN)	3 x 80 kN	3 x 80 kN	4 x 80 kN

Technical Data – Plate Compactor SBV

TECHNICAL DATA	SBV 160-B	SBV 160-2	SBV 160-3
Weight	1220 kg	1850 kg	2680 kg
Width	1070 mm	2150 mm	2950 mm
CARRIER MACHINE REQUIREMENTS			
Pump flow rate	50-75 l/min	100-150 l/min	150 l/min
Operating pressure	210 bar	220 bar	220 bar
Case drain line	max. 2 bar	max. 2 bar	max. 2 bar
OPERATING CONDITIONS			
laterally shiftable L/R	/	optional	optional
VIBRATION SYSTEM			
Frequency (Hz)	70 Hz	70 Hz	70 Hz
Amplitude (mm)	1.4 mm	1.4 mm	1.4 mm
Centrifugal force (kN)	1 x 160 kN	2 x 160 kN	3 x 160 kN

High-tech made in Germany

Updated: 07/2026



Compaction Wheel SVR



Effortless top-tier compaction using the excavator's own weight

Cost-effective and fast compaction with compaction depths up to 1,000 mm
Up to five times higher compaction performance compared to plate compactors and trench rollers
Pipeline trenches, problem zones, embankments, and backfills can be easily compacted
Increased safety, no personnel required in the trench during the compaction process
In many cases, no soil replacement is necessary
Zero vibration - No failure of electrical devices - Excellently suited for cohesive soils



Das **Stehr** compaction wheel comes in a wide variety of versions.

Type	SVR 15 MB	SVR 25 MB	SVR 28	SVR 40
Rollers	with compaction feet	with compaction feet	with compaction feet	with compaction feet
Height to mounting plate	655 mm	655 mm	1.070 mm	1.070 mm
Overall wheel Diameter	610 mm	610 mm	920 mm	920 mm
Overall wheel width	150 mm	250 mm	280 mm	400 mm
Carrier Vehicle	1,5 - 5 to.	1,5 - 7 to.	6 - 14 to.	6 - 16 to.
Number of rims	1	1	1	1
Weight	ca. 145 kg	ca. 185 kg	ca. 500 kg	ca. 550 kg

Type	SVR 60 HD	SVR 60 CW 40	SVR 80 HD
Rollers	with compaction feet	with compaction feet	with compaction feet
Height to mounting plate	1.070 mm	1.070 mm	1.070 mm
Overall wheel Diameter	920 mm	920 mm	920 mm
Overall wheel width	570 mm	570 mm	770 mm
Carrier Vehicle	12 - 50 to.	12 - 50 to.	18 - 50 to.
Number of rims	2	2	2
Weight	ca. 850 kg	ca. 1.040 kg	ca. 940 kg

soil stabilizing mixer SBF 22 L



milling depth: max. 400 mm



cutting width: 2,200 mm



Carrier power required: 130 hp – 180 hp / Weight: 2,220 kg

Drive Concept:

Power transmission from the tractor's PTO shaft to the milling rotor does not occur via power-consuming lateral spur gears, as is usually the case, but via chain drives arranged on both sides. These run at high speeds and therefore only need to transmit relatively low torque. The torque build-up is generated by the planetary gear exactly where it is needed: inside the milling rotor.

Suitable Tractors:

The requirement is a rear PTO output with 1,000 rpm as well as a creeper gear ($V_{min} = 300\text{--}500\text{ m/h}$) or, ideally, a continuously variable drive (CVT).

For maximum cutting depth, even under difficult soil conditions, we recommend 160 hp.

soil stabilizing mixer SBF 24 L



cutting width: 2400 mm



milling depth: max. 400 mm



Drive Concept:

Power transmission from the tractor's PTO shaft to the milling rotor does not occur via power-consuming lateral spur gears, as is usually the case, but via chain drives arranged on both sides. These run at high speeds and therefore only need to transmit relatively low torque. The torque build-up is generated by the planetary gear exactly where it is needed: inside the milling rotor.

Suitable Tractors:

The requirement is a rear PTO output with 1,000 rpm as well as a continuously variable drive (CVT).

For maximum cutting depth, even under difficult soil conditions, we recommend 160 hp.

Weight: 2,550 kg

soil stabilizing mixer SBF 24



milling depth: max. 500 mm
cutting width: 2400 mm



Drive Concept:

Power transmission from the tractor's PTO shaft to the milling rotor does not occur via power-consuming lateral spur gears, as is usually the case, but via power belts arranged on both sides. These run at high speeds and therefore only need to transmit relatively low torque. The torque build-up is generated by the planetary gear exactly where it is needed: inside the milling rotor.

Suitable Tractors:

The requirement is a rear PTO output with 1,000 rpm as well as a continuously variable drive (CVT).

For maximum cutting depth, even under difficult soil conditions, we recommend 280 hp.

Weight: 4,670 kg

Soil Stabilization System SBF 24-6

dust-free in accordance with BG Bau C 478



In-cab computer



In-action photo: India

- Power requirement carrier: from 260 hp
- Weight: 9,110 kg
- Cutting depth max. 400 mm
- Cutting width: 2,400 mm
- Binding agent volume: 6 m³



Advantages:

With the SBF 24-6 soil stabilizing mixer, a mixed binding agent consisting of cement and lime is blended into the non-load-bearing soil. Unlike other machines, this process generates absolutely no harmful dust emissions.

Stehr machines in this configuration are the only ones that comply 100% with the requirements of BG Bau / Leaflet C 478. This leaflet specifies the exact regulations that must be observed during soil stabilization.

Optional:

A specially developed on-board computer allows the exact amounts of binder and water to be applied and documented.

Technical Data – Soil Stabilization

TECHNICAL DATA	SBF 22 L	SBF 24 L	SBF 24	SBF 24-6
Cutting width	2200 mm	2400 mm	2400 mm	2400 mm
Cutting depth max.	400 mm	400 mm	500 mm	400 mm
Weight	2220 kg	2550 kg	4670 kg	9550 kg*
Rotor diameter	600 mm	680 mm	800 mm	800 mm
Rotor speed	310/min	340/min	310/min	310/min
Drive	PTO shaft	PTO shaft	PTO shaft	PTO shaft
PTO speed	1000/min	1000/min	1000/min	1000/min
POWER REQUIREMENT CARRIER				
Min.	100 kW / 136 hp	117 kW / 160 hp	205 kW / 280 hp	205 kW / 280 hp
Max.	125 kW / 170 hp	147 kW / 200 hp	286 kW / 390 hp	286 kW / 390 hp

* incl. Spreader



SBS 3000 - SBS 6000

Binding agent spreaders with 3 m³ and 6 m³ capacity



SBS 3000 (Front attachment)



SBS 6000



Technical Specifications SBS 3000 / 6000

Binder volume: 3 m³ / 6 m³

Weight: 1.030 kg / 2.460 kg

Width: 2.600 mm / 2.610 mm

Height: 1.750 mm / 2.675 mm

Length: 1.740 mm / 3.750 mm

Spreading width: 2.400 mm / 1.200 mm (can be mechanically halved)

Towing vehicle: 1 front hydraulic control circuit required

Hydraulically driven rotary feeder — self-cleaning with plastic segments — for precise and uniform binder dosing.

Spread rate is determined by the rotational speed of the rotary feeder and driving speed.

Ex-Mix 10 soil mixer

Soil stabilization with an excavator



zero-maintenance



Big bag with binding agent



Working width: approx. 2.40 m
Diameter: approx. 1.25 m
Working depth: max. 40 cm
Weight: 1,260 kg

Advantages:

No separate drive motor is required. The back-and-forth movement of the excavator boom, which moves in a straight line relative to the excavator, causes the angled discs to rotate with alternating directions of rotation. There is no idle time for lifting and repositioning, resulting in nearly 100% energy efficiency. The discs are designed with concave-shaped blades bolted to the outer edge.

Ideal for small, challenging jobsites in difficult terrain. Extremely cost-effective soil stabilization using an excavator. Absolutely zero maintenance required on the attachment!

The ideal attachment for mixing and crushing tasks anywhere an excavator is present on site.

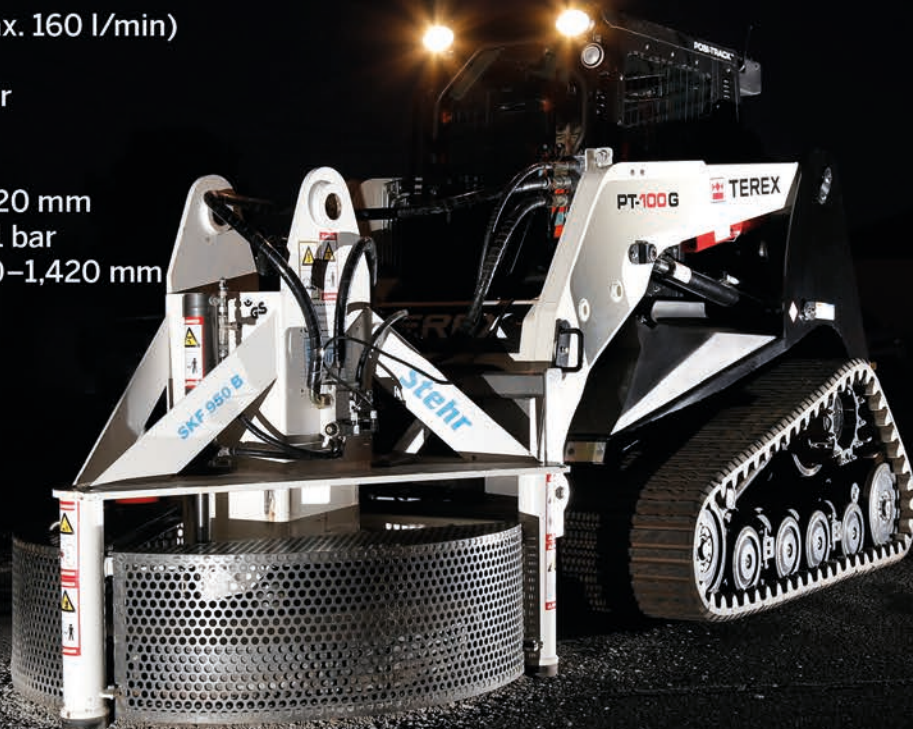
Manhole cutter SKF 950 B

Profitable – High-Quality – Professional



Suitable carrier vehicles include mobile excavators, wheel loaders, skid steers, and trucks equipped with a loading crane. Also available with remote control.

Oil flow rate: 125 l/min (max. 160 l/min)
Weight: 800 kg
Operating pressure: 210 bar
Torque: 12,000 Nm
Milling depth: 300 mm
Milling diameter: Up to 1,420 mm
Case drain pressure: Max. 1 bar
Milling heads / drums: 400–1,420 mm



Advantages:

- Drastic reduction in execution time
- Enhanced workmanship quality through optimum compaction
- Flexible project scheduling (Alternativ: Flexible execution timing)
- Long service life and low replacement costs for milling tools
- Trouble-free operation upon contact with gravel and stones
- No water cooling required

An attachment that leaves no questions unanswered: profitable — high-quality — professional

Applications:

- In road construction
- For the rehabilitation of utility installations / manholes
- Universal application thanks to various interchangeable milling heads
- Auger attachments also available

Gravel Finisher SGF 10 / 15 / 20 / 25

Allows for the repair of gravel roads



Smoothing & Compacting



Side view

Technical Data: SGF Series

Model	Working Width	Weight	Carrier Unit
SGF 10	1,000 mm	125 kg	Excavator from 2.0 t
SGF 15	1,500 mm	490 kg	Excavator from 5.0 t
SGF 20	2,000 mm	580 kg	Excavator from 10.0 t
SGF 25	2,500 mm	690 kg	Excavator from 15.0 t



The **Stehr** Gravel Finisher: Innovative Attachment for Excavators

An attachment designed for excavators. By utilizing the excavator's existing hydraulic functions, a ripping device facing toward the excavator—equipped with replaceable carbide round-shank chisels—is vertically lowered and pulled through the hard material. This loosens the surface to a depth of just a few centimeters.

By tilting/swiveling the attachment, a smoothing device is pressed onto the ground, which simultaneously acts as a screed plate to smooth and compact the material. To ensure optimal performance, the carrier vehicle should be equipped with a hydraulic tilt function. Connection to the carrier vehicle is achieved via various standard quick-coupler systems.

The **Stehr** Gravel Finisher sets new standards in the maintenance of gravel roads. As an innovative attachment for excavators (2–20 tons), it enables the fast, cost-effective, and easy repair of smaller damaged areas.

Tractor-mounted grader **SUG 22-T**

The ultimate path maintenance system for cycle tracks and hiking trails

Stehr... this is how you build trail maintenance equipment.



The SUG 22-T offers the same technical advantages as its larger brother. It is designed to maintain paths with working widths ranging from 1.5 to 2.20 m. The unit can be operated both in towed mode on a tractor or in push mode on a wheel loader. Thanks to the use of high-strength fine-grained steels, the entire construction weighs only approx. 820 kg. All types of path profiles, including crown profiles, can be created. The entire system is controlled via a Danfoss proportional valve block with a joystick. However, its future applications go beyond road construction and maintenance. Equipped with a laser control system, this compact unit offers optimal operating possibilities in indoor arenas, riding arenas, and similar environments.

Ripping – Mixing – Profiling – Compacting

Technical Data: SUG 22-T

- Working width: from 1.5 m to 2.2 m
- Attachment for tractors: from 70 hp

Stehr Plate Compactor SBV 80 H2B

- Centrifugal force: 2 x 80 kN
- Weight: 900 kg
- Oil requirement: 40 l/min at 180 bar

Tractor-mounted grader **SUG 35/27-T**

The ultimate road maintenance system for forest and gravel roads



Optional: Verge cutter (can also be retrofitted)



Weight: 2,400 kg
Working Width: 2,500 mm - 3,500 mm
Transport Width: 2,500 mm
Required Power (Carrier Vehicle): Min. 150 HP

The SUG 35-T is a versatile and state-of-the-art grader attachment—the ultimate road maintenance system for forest and gravel roads. Combined with the Stehr SBV 80 H3 / H4 plate compactor, the shoulder milling attachment, and the new SSB 240 stone crusher, it forms an unbeatable system to meet all road maintenance and rehabilitation requirements.

Ripping – Mixing – Grading – Compacting

With the articulated blade invented by **Stehr**, all types of road construction profiles can be created. Even forming a crown profile is possible in a single pass. Create a crown profile in just one pass. An attachment designed for tractors between 150 and 200 HP, offering high working speeds and a highly cost-effective operation.

Also available as the SUG 27-T grader attachment. This model is structurally identical to the SUG 35-T, but does not include the optional Verge cutter, and features the following specifications:

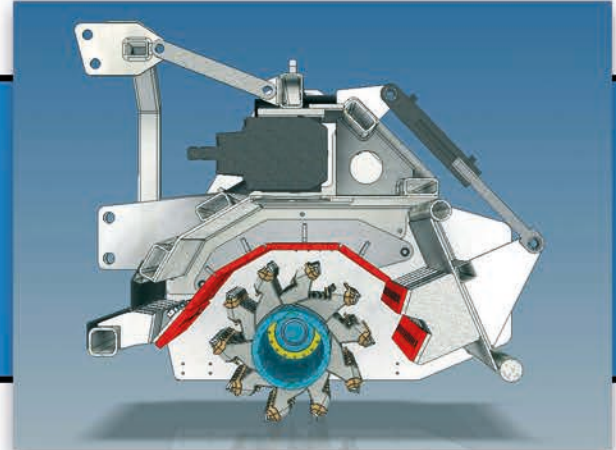
Weight: 2,115 kg
Width: 1,930 mm - 2,700 mm
Transport width: 1,930 mm

stone crusher SSB 240

Ideally suited for use with the SUG 35-T road maintenance system



Faster – Better – More efficient



Crushing chamber adjustment



Weight: 3,950 kg
Milling depth: 200 mm
Milling width: 2,400 mm
Power requirement of carrier vehicle: 160 – 240 HP



For particularly hard materials, a specialized, heavy-duty fixed crusher chisel can be mounted on the very same holder. With adjustable rotor speeds of 250 or 500 RPM and variable crushing chamber adjustment, old asphalt pavements can be milled, stones crushed, and the resulting material successfully recycled in a highly sensible, resource-saving manner. Finally, the material is graded and compacted using machines also invented by **Stehr**. With this innovative technology, Stehr is once again—as so often—miles ahead of any competitor!

Building a forest or gravel road is one thing; maintaining it long-term to ensure sustainable preservation of value is another. Different types of damage to these structures require different measures and construction methods. To preserve the value of gravel roads, regular maintenance is essential. Various mechanical and natural influences call for different preservation strategies. Particularly demanding challenges arise during rehabilitation after natural disasters, such as heavy rain, flood damage, or heavy wear and tear from heavy-duty traffic. These events often wash up larger stones or expose them through water erosion.

Scraper AS 10

Efficiency in Earthmoving with the **Stehr** scraper AS 10



Efficient Loading



Precise Excavatio

In just 15 seconds, the AS 10 loads an impressive 12 m³ of soil. Moving this same volume using conventional methods would require significantly greater effort. A 22-ton excavator equipped with a 1.2 m³ bucket would need at least two full minutes to complete the same task—including excavating and loading onto an articulated dump truck. This comparison clearly highlights the immense time savings delivered by the **Stehr** AS 10.



Dead weight: 6,030 kg
Width: 1,966 mm
Height: 2,409 mm
Length: 6,496 mm

The **Stehr** AS 10 drag scraper, with its remarkable load capacity of 12 m³, demonstrates its strengths when it comes to rapidly moving massive volumes of soil. The ability to load, transport, and precisely place material in a short amount of time highlights the immense potential of this combination for major earthmoving projects.

Versatility in the Working Process

The tested combination covers a comprehensive working cycle in earthmoving:

Loading: Efficient pick-up of the material by the drag scraper. **Transporting:** Rapid transport of earth masses, even over long distances.

Placing: Precise unloading and distribution of the material at the destination.

Compacting: Pre-compaction of the soil is already achieved during passes.

Grading: After placement, the tractor-scraper combination enables the creation of a perfectly level surface.

Power requirement of carrier vehicle: From 350 HP

HLR 40/200 - 1,000-liter water tank

One System – 4 Superpowers



High-pressure firefighting



Field action shot: Baling



High-Pressure Cleaning

Firefighting - Cleaning - Sewer Cleaning



The philosophy behind the new **Stehr** attachment unit is as simple as it is ingenious: turning existing machinery into multifunctional assets through intelligent add-on modules, rather than purchasing expensive, specialized vehicles. The system requires just 40 liters of hydraulic oil at a pressure of 200 bar from the tractor's hydraulics to cover a performance spectrum that was previously reserved for multiple individual machines.

Four functions in one system:

High-Pressure Mist Firefighting: Thanks to a pressure of 200 bar, water is atomized so finely that it achieves an immense cooling effect with minimal water consumption – ideal for a rapid first response during fire outbreaks.

High-Pressure Surface Cleaning: Highly effective cleaning of pathways, public squares, and machinery.

NEW: High-Pressure Sewer Cleaning : An integrated unit equipped with a rotating retro-jet nozzle.

Suction Pump: Highly efficient pumping or transferring of liquids powered by the onboard hydraulic system.



Trench cutter SGF 600 DL

with cable laying device for efficient fiber optic expansion



Faster – Better – More Efficient



Mill, don't dig!



Milling width: 150 mm
Milling depth: 600 mm
Weight: 1,400 kg
Carrier vehicle power: 100 HP
Carrier vehicle requirement:
continuously variable drive (Vario)

Advantages:

- More economical and powerful than a self-propelled trencher.
- Conduits are laid directly in a single pass and covered with fine material.
- Direct PTO drive for enormously high torque.
- Direkter Antrieb über Zapfwelle, enorm hohes Drehmoment
- Less wear and tear compared to a chain trencher.
- Round-shank chisels utilize the same system as asphalt millers.

The perfect tractor-mounted attachment, performing many times faster than any excavator. The trenching wheel is equipped with carbide round-shank chisels that easily cut through stones hidden in the ground. Even in winter, operating in soil frozen up to 60 cm deep is absolutely trouble-free.

Trench cutter SGF 800 / DL

optional cable laying attachment



Faster – Better – More Efficient



Trenching over excavating



Trench width: 80 – 250 mm (customizable)
Trench depth: 800 mm
Weight: 2,675 kg
Carrier tractor output: 150 hp minimum
Carrier tractor requirement:
Continuously variable transmission (Vario)

Advantages

- Tractor-mounted wheel trencher
- More economical and powerful than self-propelled trenchers
- Conduits are laid directly in a single pass and backfilled with fine material
- Direct PTO drive deliver extremely high torque
- Significantly lower wear compared to chain trenchers
- Tungsten carbide round-shank picks – the same system as road planers
- Ideal for creating trenches for broadband / fiber optic deployment

The perfect tractor attachment – many times faster than any excavator.

The trenching wheel is equipped with carbide-tipped round-shank picks that effortlessly cut through stony ground. Even in winter conditions with up to 60 cm of frozen soil, operation remains smooth and hassle-free.

The result: Clean, precise trench walls and up to 10x higher performance compared to a conventional excavator.

Trench cutter SGF 1000 / DL

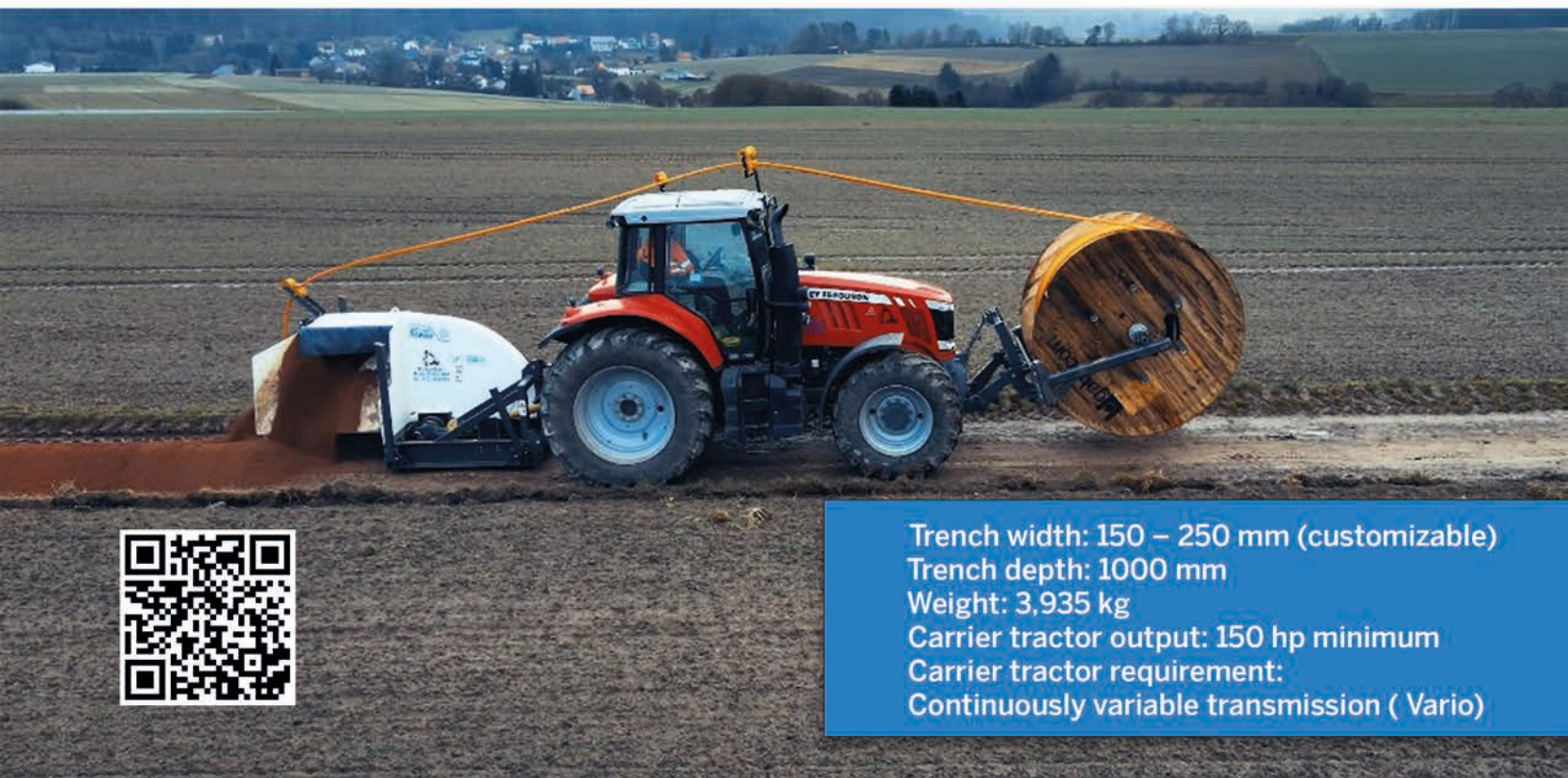
optional cable laying attachment



Faster – Better – More Efficient



Trenching over excavating



Trench width: 150 – 250 mm (customizable)
Trench depth: 1000 mm
Weight: 3,935 kg
Carrier tractor output: 150 hp minimum
Carrier tractor requirement:
Continuously variable transmission (Vario)

Advantages

- Tractor-mounted wheel trencher
- More economical and powerful than self-propelled trenchers
- Conduits are laid directly in a single pass and backfilled with fine material
- Direct PTO drive deliver extremely high torque
- Significantly lower wear compared to chain trenchers
- Tungsten carbide round-shank picks – the same system as road planers
- Ideal for creating trenches for broadband / fiber optic deployment

The perfect tractor attachment – many times faster than any excavator.

The trenching wheel is equipped with carbide-tipped round-shank picks that effortlessly cut through stony ground. Even in winter conditions with up to 60 cm of frozen soil, operation remains smooth and hassle-free.

The result: Clean, precise trench walls and up to 10x higher performance compared to a conventional excavator.

Trench cutter SGF 1300

With heavy-duty drive system



Faster – Better – More Efficient

Trenching over excavating



Max. Milling Width: 350 mm
Milling Depth: 1,300 mm
Dead Weight: 5,400 kg
Carrier Vehicle Power: 260 - 360 hp
Carrier Vehicle Requirement:
Continuously variable transmission (Vario)

Advantages

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Stehr tractor-mounted trenchers represent a new drive concept that transfers enormously high torque to the cutter tooth despite relatively low drive power. Since similar known trenching wheels—almost all of which originate from America—are designed as self-propelled machines with a drive concept where the wheel is always driven from the center via the gearbox, only relatively shallow trenching depths can be achieved. Exact trench walls and up to 10 times higher performance compared to an excavator.

Universal Pile Driver MHR 01

Making a real machine out of the mini-excavator



Wide range of applications: Thanks to the option of mounting various tools, the MHR 01 covers a wide variety of tasks:

Pile driving: For fences, wildlife fencing, vineyard posts, foundation piles, etc. made of wood, metal, or plastic. **Ground socket driving:** Ideal for the fast and precise installation of ground sockets for traffic signs, construction fencing, carports, LED lights, etc.

Guardrail post driving: With a special adapter, guardrail posts can also be driven efficiently into the ground.

- Core drilling: Enables precise core holes in concrete, asphalt, or masonry for posts, railings, etc.
- Earth augering: For quick and accurate drilling of holes for posts, plants, or foundations.
- Screw foundation installation: A modern and efficient foundation method.

Precision: The integrated guide mast and the optional electronic spirit level with display ensure exact, vertical alignment of the tools. This is particularly crucial for the stability and functionality of the installed elements.

Universal Pile Driver HFR 80

Making a real machine out of the mini-excavator



Digital Spirit Level



HFR 80



The **Stehr** HFR 80 pile driver delivers the following advantages:

Efficiency and Speed:

It enables fast driving of posts and profiles into the ground.

Whether in landscaping or for large-scale PV infrastructure construction—the HFR 80 is a true all-rounder:

- Wooden posts: Fast and precise driving for fencing or support structures.
- PV systems: Galvanized steel profile rails are set efficiently for solar farms.

Soil-Friendly:

Thanks to vertical 70 Hz vibrations, the post slides into the ground with ease.

Compact Design:

The HFR 80 transforms carrier vehicles in the 3.5-tonne weight class and above into highly specialized pile drivers.

SSPR Snow Pile Driver

Fast and ergonomic snow pole driving



Fast-as-lightning installation



Fast-as-lightning extraction



The **Stehr** Innovation: Simple, Robust, and Efficient

The centerpiece of this new development is a clever attachment frame for standard carrier vehicles. It is mounted via the standardized Category 2 (Cat 2) 3-point hydraulics. A walkable platform made of steel grating is mounted on the attachment frame, providing the operator with a safe and secure standing area.

The proven **Stehr** driver—well known as an excavator-mounted post driver—is attached to the side of this platform. The entire system can be hydraulically shifted by 70 centimeters, allowing for precise positioning of the posts without having to constantly reposition the carrier vehicle.

Semi-automatic operation reduces operator workload

With a high impact rate of 1,400 blows per minute, posts up to 2.5 meters long can be driven into the ground quickly and securely.

A key advantage: The system also features a simple mechanism to hydraulically pull the posts back out after the winter season.

Noticeable workload reduction and cost savings

Own Test & Demonstration Center

spanning over 70,000 m²

Stehr Baumaschinen GmbH



- A = JS Ideenschmiede
- B = Trench cutter Test Track
- C = Compaction Test Track
- D = Soil Stabilization Test Track
- E = Rock Crusher Test Track
- F = Universal Crusher Demonstration
- G = Historic Construction Machinery
- H = Helicopter Landing Pad



Stehr "Stehrodrom" Test and Demonstration Grounds, featuring its own helipad and the integrated event catering venue, the "JS Ideenschmiede". On this site—incidentally the first of its kind in Germany—all machines can be tested. For this purpose, the latest carrier vehicles, such as tractors ranging from 75 to 500 hp and wheel loaders from various manufacturers, are always available. Even comparative tests with competitor machines are possible. State-of-the-art electronic testing equipment is used so you can experience the superiority of Stehr machines for yourself.

Our company website with all products
pdf brochures can be found here: www.stehr.com



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The direct wire:
For all smartphones,
there is our stehr app



www.stehr.tv

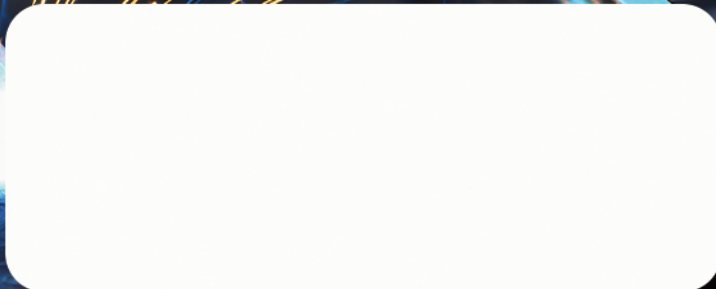
Our special machines live in action

Soil Stabilisation - Compaction Equipment - Planing Technology
Trench Cutter - Manhole Cutter

Quality made in Germany — built for **YOUR** operations
around the globe



Your **Stehr** Dealer



Innovative specialized machinery
for road construction and civil engineering