



Current machines from Stehr Baumaschinen GmbH

compacting – soil stabilisation - levelling - trench cutting – manhole cutter



# SBV 160-3 ... the strongest by *Stehr!*

The energy 100% for compacting

Other: 50% ambient vibrations

50% moins de force = 50% de carburant en moins



Vidéo



Compaction measuring  
device included!!

## Plate compactor SBV 160-3

3x 160 kN impact force

3,25 m wide

Weight : 2800 kg

Oil required: 150 l/min



# SBV 160-2 ... Faster - Better - More effective

## Plate compactor SBV 160-2

2 x 160 kN impact force

2,15 m wide

Weight: 1.700 kg

Oil required: 100L / min



Compaction measuring device included!!



Video SBV 160-2  
dyke construction



Video  
SBV 160-2

...By specialists  
... for specialists

# Verge compactor SBV 160-B



Video



Solution for compacting road verges

The road verges have a slope of about 12-15 degrees in the direction of the trenches, so a hand-guided vibrating plate or roller would end up in the trench as a result of the slope during compaction.



# SBV 80 HC 3 ... Faster - Better - More effective

## Plate Compactor SBV 80 HC 3

3 x 80 kN impact force

2,12 m wide

Weight : 1.235 kg

Hydraulique necessaire : 70L / min



Video  
Stehr SBV 80 HC 3



Compaction measuring  
device included!!

# SBV 80 HC 2 ... The little heavyweight



Compaction measuring device included!!

## Plate compactor SBV 80 HC 2

2 x 80 kN impact force

1,40 m wide

Weight : 720 kg

Oil required : 60L / min



Video  
SBV 80 HC 2



Video  
SUG 20 Mini-Grader & SBV 80 HC 2

# SBV 80 H3-SK

## Plate compactor SBV 80 H3-SK

3 x 80 kN impact force

2,60 m wide

Weight : 1.315 kg

Oil required : 70L / min

The ideal machine for construction and maintenance of forestry and gravel roads - always adapts to the road profile!



... with side shift and edge compaction

...By specialists  
...for specialists



# SBV 80 H4



The SBV 80 H4 compacting a topsoil profile

## Plate Compactor SBV 80 H4

4 x 80 kN impact force

3,00 m wide

Weight : 1.890 kg

Oil required : 2 x 60L / min



# SBV 160-2 Quattro



## Plate compactor SBV 160-2 Quattro

4 x 160 kN impact force

4,40 m wide

Weight : 4.500 kg

Oil required : 200L / min



Optional: Compaction with water

# SBV 80 HC 3 on the roller compactor

... with quick-change clutch and hydraulic side shift



## Plate compactor SBV 80 HC 3

3 x 80 kN impact force

2,12 m wide

Weight : 1.235 kg

Oil required : 70L / min



# Compaction wheel SVR



Excellent compaction in a simple way using the weight of the excavator...

Extremely high static compacting means cohesive soils can also be compacted intensively at high filling depths.  
Width from 150 mm - 770 mm  
For mini-excavator from 1.5 t. to 50 t. excavator



# Technical data

## Plate compactor

Type	SBV 80 H2	SBV 80 HC2	SBV 80 H3 / SK	SBV 80 HC3	SBV 80 H1S
Weight	820kg	720 kg	1.315 kg	1.235 kg	685kg
Width	1.725 mm	1.400 mm	2.600 mm	2.120 mm	850 mm

### Requirements on the carrier:

Pump output	60 l/min	60 l/min	70 l/min	70 l/min	60 l/min
Min. operating pressure	180 - 220 bar	180 - 220 bar	200 - 220 bar	200 - 220 bar	200 - 220 bar
Overflow oil line	max. 2 bar	max. 2 bar	max. 2 bar	max. 2 bar	max. 2 bar

### Operating conditions:

Side Movable R/L	optional 2 x 350 mm		optional 700 mm	optional 700 mm	900 mm
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### Vibrations system:

Frequency (Hz)	70 Hz	70 Hz	70 Hz	70 Hz	70 Hz
Amplitude (mm)	1,6 mm	1,6 mm	1,6 mm	1,6 mm	1,6 mm
Centrifugal force (kN)	2 x 80 kN	2 x 80 kN	3 x 80 kN	3 x 80 kN	1 x 80 kN

Type	SBV 80 H4	SBV 160-2	SBV 160-2 Q	SBV 160-3	
Weight	1.890 kg	1.700 kg	4.500 kg	2.600 kg	
Width	3.000 mm	2.140 mm	4.440 mm	2.950 mm	

### Requirements on the carrier:

Pump output	2 x 60 l/min	100 l/min	200 l/min	150 l/min	
Min. operating pressure	200 - 220 bar	220 bar	220 bar	220 bar	
Overflow oil line	max. 2 bar	max. 2 bar	max. 2 bar	max. 2 bar	

### Operating conditions:

Side Movable R/L					
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### Vibrations system:

Frequency (Hz)	70 Hz	72 Hz	70 Hz	72 Hz	
Amplitude (mm)	1,6 mm	1,4 mm	1,4 mm	1,4 mm	
Centrifugal force (kN)	4 x 80 kN	2 x 160 kN	4 x 160 kN	3 x 160 kN	

# SBF 24-2

**SBF 24-2 soil stabilising mixer**

**Weight: 6.200 kg**

**Cutting depth max. 550 mm**

**Cutting width : 2,400 mm**

**Power requirement tractor 350 - 580 hp**



**The most powerful attachment soil stabilising cutter on the world market. Designed for performance up to 580 hp. The cutter rotor is adjusted in depth in the housing. The larger the cutting depth, the larger the mixing space. Even large stones are not a problem.**



**Video  
Dortmund- project**



**The rotor withdrawn  
within the housing**



**The rotor extended to  
full depth within the  
housing**



# SBF 24

**SBF 24** soil stabilising mixer

Weight: 4.670 kg

Cutting depth: max. 600 mm

Cutting width: 2.400 mm

Power requirement carrier: 230 hp



# SBF 24 L

**SBF 24 L** soil stabilising mixer

Weight: 2.550 kg

Cutting depth: max. 400 mm

Cutting width: 2.400 mm

Power requirement carrier: 160 hp



# SBF 22 L



...By specialists  
... for specialists

**SBF 22 L** soil stabilising mixer

Weight: 2.220 kg

Cutting depth: max. 400 mm

Cutting width: 2.200 mm

Power requirement carrier: 160 hp



**Homogeneous, fine mix image, intensive mixing**

# SBF 24-6 soil stabilising system dust-free



Video traffic project German Unity No. 8

## SBF 24-6

Weight: 9.110 kg

Cutting depth: max. 400 mm

Cutting width: 2.400 mm

Puissance nécessaire de l'unité porteuse: ab 350 hp



A specially developed on-board computer means binder and water quantity can be precisely introduced and documented.

Dust-free spreading, mixing and irrigation in one step...

The binder is applied dust-free and mixed into the soil. A separate, cost-intensive spreader vehicle is no longer required.

Soil stabilising in residential areas, road traffic, parking cars and airfields is possible without any problems.



Vidéo 24-6



# SBS 3000 - 6000 - 10 Binder spreader



SBS 10 / 10 m<sup>3</sup>



SBS 6000 / 6 m<sup>3</sup>



The *Stehr* binder spreader with cell-wheel technology and self-cleaning rotary vane feeder



Front-mounted spreader

SBS 3000 3 m<sup>3</sup>

# Stehr special bit SSM

A reference and statement on the Stehr soil stabilising cutter SBF 24-2 equipped with the Stehr SSM

"Dear Mr Stehr

In relation to your cutter, which is used by the company Linneweber on the construction site Westfalenhütte Dortmund, I can attest to excellent performance following what I have observed. It was the mixer that delivered the highest performance in terms of the job. The contaminants (concrete and masonry parts) contained in the filling material were processed and crushed without any problems during cutting. Residues of reinforcing iron, found in the feed material, which led to problems with other cutters, were almost completely ignored by your machine. "

Dipl.-Ing Thomas Rickel- Superstructure management - Oevermann Verkehrswegebau GmbH



"Hello Mr Stehr

I have been testing your new bits for a while now. I have been using these bit for 22 days on the SBF 24 cutter. Over 140 cutting hours. We cut gravel paths every day with a grain size of 0 to 50/60 mm / frost protection gravel). Also, there can be rubble in the gravel roads, and other things, such as concrete and asphalt. This is not a problem for the Stehr bits SSM. The bits from other major manufacturers do not last 3 days. Incredible that this small company like Stehr can build and develop better bits than the big companies that have been producing bits for years. The Stehr company deserves huge praise."

Wim Mertens - Netherlands

# Stehr Ex-Mix soil mixer



Soil stabilising with the excavator without hydraulics and lubrication points!!  
Performance: 150m<sup>3</sup> / hr.



Video Stehr  
Ex-Mix



# Technical data

## soil stabilising

Type	SBF 22 L	SBF 24 L	SBF 24
Cutting width	2.200 mm	2.400 mm	2.400 mm
Cutting depth max.	400 mm	400 mm	600 mm
Weight	2.220 kg	2.550 kg	4.550 kg
Rotor- Ø	600 mm	600 mm	800 mm
Rotor speed	310/min	340/min	310/min
Drive	PTO shaft	PTO shaft	PTO shaft
PTO speed	1.000/min	1.000/min	1.000/min

### Power requirement carrier:

Min.	100 kW / 136 PS	117 kW / 160 PS	170 kW / 230 PS
Max.	125 kW / 170 PS	147 kW / 200 PS	279 kW / 380 PS

Type	SBF 24-2	SBF 24-6
Cutting width	2.400 mm	2.400 mm
Cutting depth max.	500 mm	400 mm
Weight	6.230 kg	9.110 kg *
Rotor- Ø	1.040 mm	800 mm
Rotor speed	240/min	310/min
Drive	PTO shaft	PTO shaft
PTO speed	1.000/min	1.000/min

### Power requirement carrier:

Min.	220 kW / 300 PS	190 kW / 260 PS
Max.	400 kW / 550 PS	279 kW / 380 PS

\* incl. spreader

# Manhole cutter SKF 950



Video



## Manhole cutter

Cutting depth: 300 mm

Cutting diameter: bis 1420 mm

Weight: 800 kg

Oil required: 120 - 160 l/min

max. 240 l/min

Using the Stehr manhole cutter, 15 manhole frames can be cut free within just 60 minutes

Ideal for operation with an excavator



Vidéo

Option: remote control



# Trench cutter SGF 1300



Video



## Trench Cutter SGF 1300

Cutting depth: 1300 mm

Cutting width: max. 350 mm

Weight: 4.615 kg

Power requirement carrier: 240 - 360 hp

More economical and powerful than a self-propelled cutter. Direct drive via PTO shaft, enormous torque.

Less wear than with a milling chain



Exact trench walls



# Trench cutter SGF 800



## Trench Cutter SGF 800

Cutting depth: 800 mm

Cutting width: 80 - 250 mm

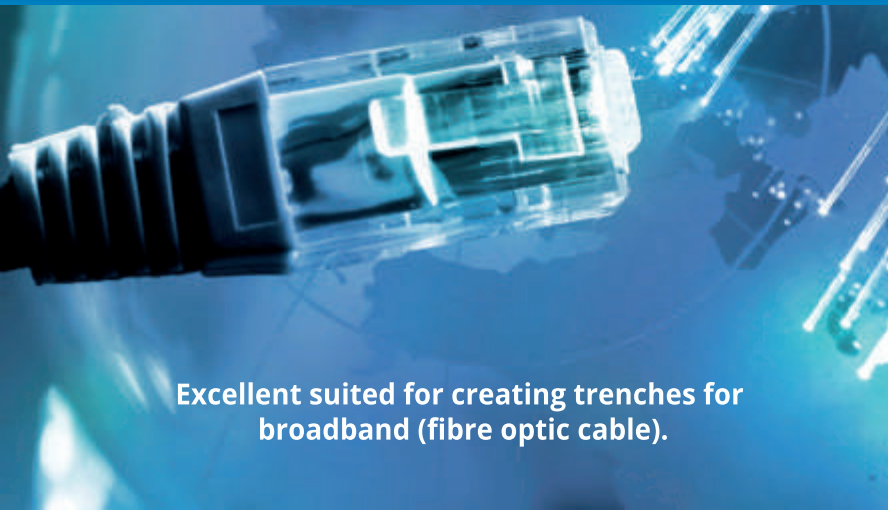
Weight: 2.675 kg

Power requirement carrier: > 150 hp

Video Available as an option with conveyor belt

Exact trench walls and performance up to 10 x greater compared to an excavator

*Stehr* - we never stop thinking



Excellent suited for creating trenches for broadband (fibre optic cable).



# Stehr SUG 40 buckle



Video

The special feature of the Stehr invention is that all conventional and existing graders can be retrofitted with the new share without fitting any new hydraulic functions. An automatic control is not a problem; even the one fitted can be used.



Optional: Hydraulically adjustable ripper on the buckle for loosening.



Creating a topsoil profile in one step with the Stehr buckle



# Tractor grader SUG 40 T



Video



A new type of levelling device that, as an attachment on tractors with reverse drive system, is superior to self-propelled graders (much better overview, much better flexibility and handling on the job site).



Control SUG 40 T via joystick- control

# Tractor grader SUG 35 T

**A world first**



**The ultimate road-care system**

**Stehr**... State of the art  
redefined

Tearing - Mixing - Profiling - Compacting



# Mini-grader SUG 20

## Mini-grader SUG 20

Total length: 4600 mm  
Total width: 1400 mm / Höhe: 1995 mm  
Weight: 2.500 kg  
Capacity: 29 kW

- Joystick control
- Easy transport
- Compact & Universal
- Flexible with all-wheel steering
- Levelling and compacting with one machine



Video

**Compact - High-performing - Energy efficient**

The SUG 20 is a small compact grader and equipment carrier for use on narrow construction sites, cycling and hiking trails, grassland care and use in winter, etc.

Transport weight mini-grader 2.5 tonnes  
Easy transport with 3.5-tonne trailer



Optional: Stehr plate compactor  
SBV 80 HC 2 / connection via quick change device