



**SBF 24**



**Stehr** Bodenstabilisierung

**Stehr** Soil stabilization

**compacting- soil stabilization-  
binder spreader-levelling-  
trench cutting-manhole cutter.**

# Stehr Baumaschinen GmbH

is an innovative company in the field of mechanical engineering. Among other things, we produce special construction machines, some of which have been patented in Germany and throughout Europe.

**SINCE 33 YEARS**



**Manufactured completely in Germany**

# SBF-24-6

Made In Germany



## SOIL STABILIZERS , BINDING AGENT, WATER/EMULSION SPREADER WITH SINGLE PRIME MOVER, SIMULTANEOUSLY



### SBF-24-6 Dust Free

Power requirement carrier: from 280 hp

- Weight: Empty: 9,110 kg..
- **Operating Weight: 17,000 Kg with cement loaded**
- Cutting depth max. 500 mm
- Cutting width: 2,400 mm

### Dust-Free Spreading, Grinding and wetting in one process:

SBF-24-6 Soil Stabilization grinder and the SBS

Bonding agent spreader solves one of the biggest problems in soil stabilization work: When used as bonding agents, lime and cement are very effective but also relatively harsh & caustic. This makes it almost impossible to stabilize soil near residential areas, traffic, parked cars and airports, specially in windy weather when the spreader binding material will be blown away when spreading from Open truck mounted spreaders.

### Fuel Efficient

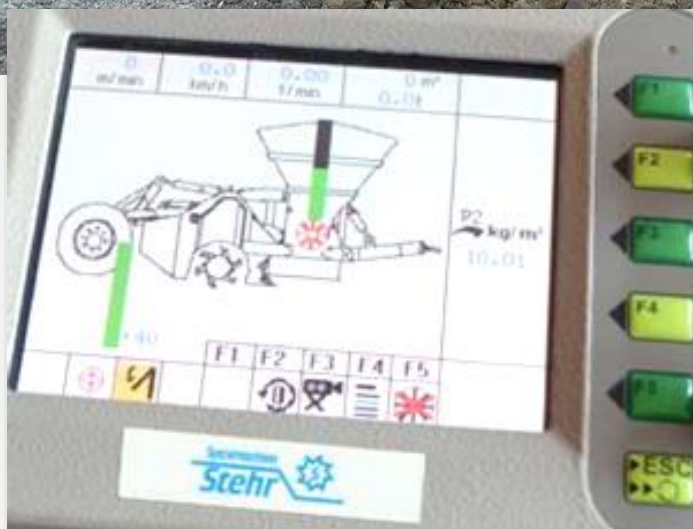
The high energy efficiency, economical fuel consumption as well as low pollutant and noise emissions always play a major role in the Stehr machines. With over 50 % less fuel compared to conventional machines, payback is achieved by the fuel savings alone. **One single prime over to do 3 jobs simultaneously.**



Working in india  
Since Yr: 2012



# SBF-24-6



**Computerized software & Computer** housed inside the Prime Mover, gives indication of progress of work, depth, production details and other important parameters. It can also be used to set quantities of Binding Agent, water and documented. It also stores enough data of daily production in its memory.

## Drive Concept & Energy saving

The power from the tractor's PTO shaft to the cutting rotor is not transmitted, as is usually the case, via power-absorbing side spur gears, but via power belts arranged on both sides, which run at high speed and therefore only have to transmit a relatively low torque. Torque build-up is only achieved via the planetary gear when the torque is needed: in the cutting rotor. The lateral chain drive is very narrow compared to spur gears. This is very important because the housing of the side drive is pulled through the soil in the lower area. The narrower the side drive, the less power is required.



# SBF 24



## SBF 24

### Grinder Unit:

Cutting Width: 2,400mm

Cutting Depth: 500mm

Weight: 4,550 Kg.

Rotor : 800mm

Rotor Speed: 310 rpm/min

Drive: PTO shaft.

PTO Speed: 1000 rpm/min.

Power Requirement depending

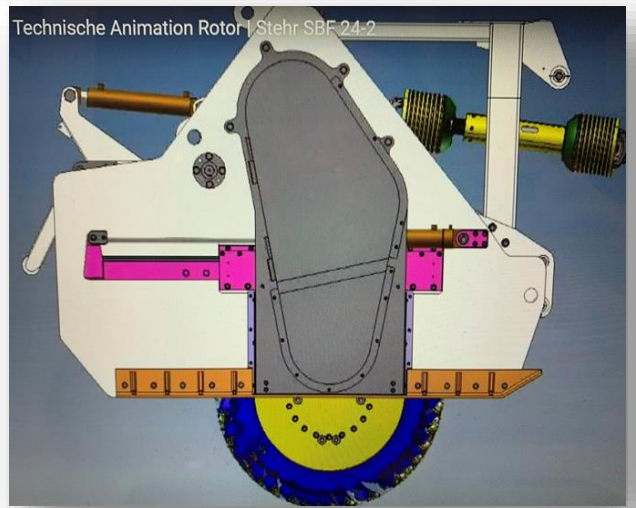
on cutting Depth : 230HP to 308 HP

Single Spray Bar for Water/ Emulsion..



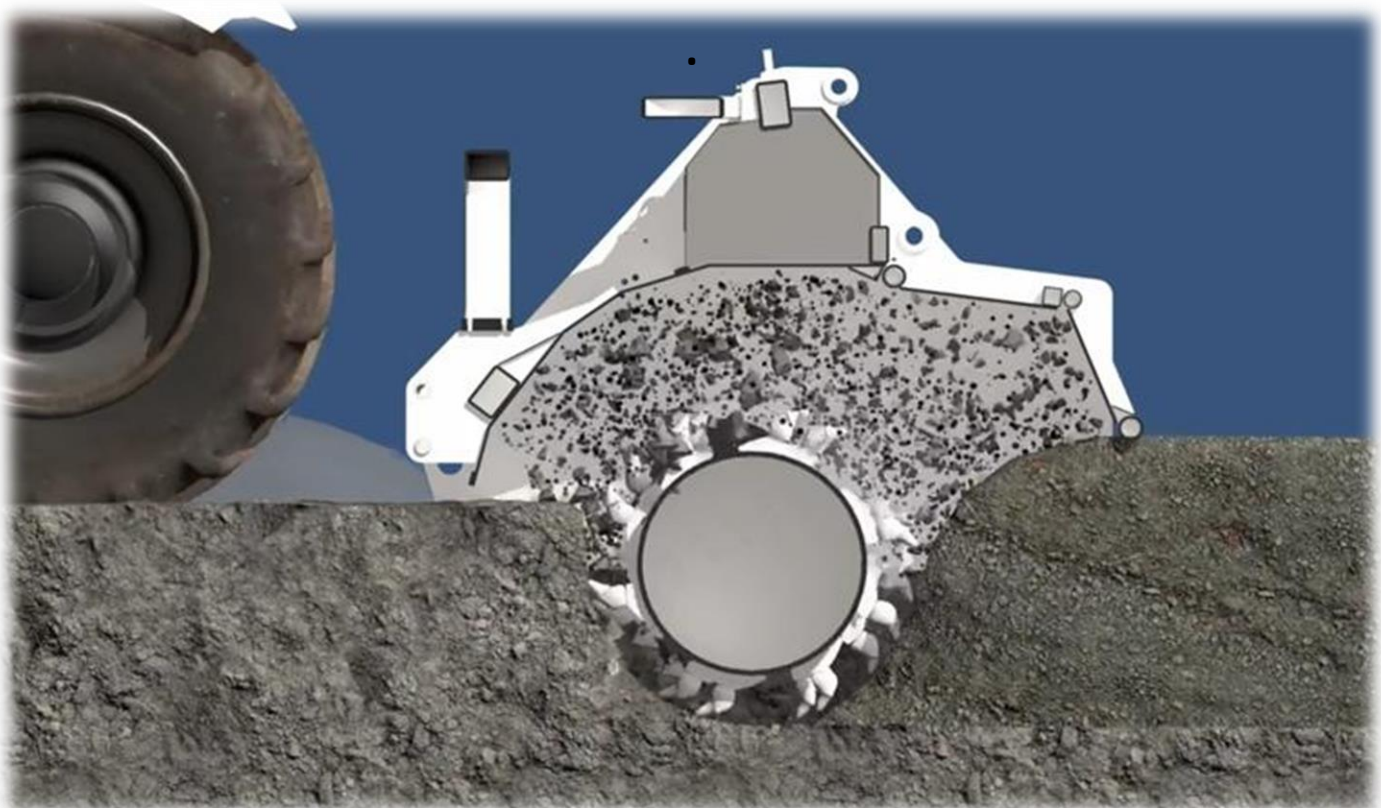
**2.4m Grinding unit**





## GRINDING & MIXING UNITS

DESIGNED FOR MANUAL & COMPUTER CONTROLLED OPERATIONS. HEAVY DUTY CONSTRUCTION WITH HIGH QUALITY WEAR RESISTANT TOOLS.



**SIMPLE.....VERSATILE.....ECONOMICAL**

# STEHR SBF-24 & SBF 24-6 *WORKING*

*ANALYSIS PER DAY IN CU.M ( Depending on average soil conditions)*



## STEHR WORKING ANALYSIS PER DAY IN CU.M

### For Soil Mixing (CMS) or Working with Soil

Working /Hour	Length	Met Width.	Meter Depth.	Meter	Diesel Consume L/Hr	Working per day (8 Hours)	Cu.m
1	400	2.4	0.25	15-20	1920		
1	200	2.4	0.45	25-30	1728		

### For CTGSB or Working with GSB

Working/Hour	Length	Meter Width	Meter Depth	Meter	Diesel Consume L/Hr	Working Per day (8 Hours)	Cu.m
1	300	2.4	0.25	35	1440		
1	125	2.4	0.4	40	960		

### For Working with WMM

Working/Hour	Length	Meter Width.	Meter Depth	Meter	Diesel Consume L/Hr	Working Per Day (8Hours))	Cu.m
1	400	2.4	0.25	25	1920		
1	250	2.4	0.4	35	1920		

Note: The above calculations are a general idea on the output , operation cost and construction savings. The same will change from site to site and various climatic conditions.



Job site: INDIA .

# Completed projects in India



NH - 206, Karnataka



NH - 34, West Bengal



NH- 60, West Bengal



NH - 215, Orissa



Forest Road , Uttarakhand



SH - 45, Uttarakhand



Rural Road Champawat, Uttarakhand



Rural Road, Tripura







## THE PRIME MOVER



### WORK LIGHTS

The X8 features as many as 18 LED work lights at the front and rear that provide proper illumination during night work.



### AUTOMATIC CLIMATE CONTROL AND OPENING ROOF HATCH

A highly-efficient automatic climate control integrated into the cab roof distributes air throughout the cab via strategically positioned vents maintaining the desired in-cab temperature whatever the outdoor weather conditions. The automatic climate controls are conveniently built into a stylish roof console. An opening transparent roof hatch provides extra visibility for loader operations.



### BLUETOOTH RADIO

The Bluetooth radio enables listening to music also through an MP3 player, an AUX cable or a USB flash drive, while an integrated microphone allows the operator to make hands-free phone calls.



### IN-CAB STORAGE COMPARTMENT AND BOTTLE HOLDER

A refrigerated in-cab storage compartment is located on the driver's left, while a practical bottle holder is conveniently placed on the right-hand side.

### HYDRAULIC SYSTEM

PTOs - hitches remote valves  
page 30

### EXHAUST SYSTEM

emissions - consumptions  
page 15

### SATELLITE-BASED GUIDANCE

PSM - EasySteer  
page 38

### CAB

comfort - instr.  
safety - electro  
page 7

### ISO

Implement  
page 1

### ENGINE

powers - consumptions  
page 12



### TRACTION

front axle - brakes  
page 27

### TRANSMISSION

VT-Drive  
page 17

### REAR HITCH

electronically-controlled  
page 35



**CYLINDERS : 6**  
**POWER: 230, 264, 286, 310 HP.**  
**TRANSMISSION: VT-Drive**

**TIER-3**  
**MADE IN ITALY**



**X8.680  
VT DRIVE**

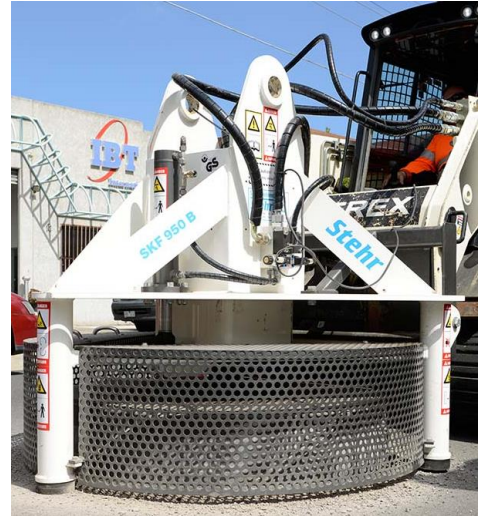
ENGINE		BETAPOWER	
TIER 2			●
ELECTRONIC HIGH PRESSURE COMMON RAIL			●
TURBO/AIR-TO-AIR INTERCOOLER			●
MAX ENGINE POWER AT 1800 RPM (ISO TR 14396 ECE R120)	HP/KW	305 / 224	
RATED ENGINE POWER AT 2100 RPM (ISO TR 14396 ECE R120)	HP/KW	292 / 215	
RATED ENGINE SPEED	RPM	2100	
MAX TORQUE (ISO TR 14396 ECE R120)	NM	1247	
TORQUE RISE		28%	
BORE / STROKE	MM	104 / 132	
DISPLACEMENT / CYLINDERS / VALVES	CM <sup>3</sup>	6728 / 6 / 24	
FUEL TANK CAPACITY	L	550	
CLUTCH			
MULTI-DISC WET CLUTCH			●
TRANSMISSION			
VT-DRIVE CONTINUOUS VARIABLE TRANSMISSION (4 CVT RANGES)			●
ECO FORTY (40 KM/H) AT REDUCED ENGINE RPM			●
TOP FIFTY (50 KM/H)			○
REVERSE POWER SHUTTLE			●
ELECTROHYDRAULIC DIFFERENTIAL LOCK ON REAR AXLE			●
POWER TAKE-OFF			
WET MULTI-DISC PTO CLUTCH			●
MODULATED ELECTROHYDRAULIC ENGAGEMENT			●
3 SPEEDS: 540/1000/1000E	RPM		●
FRONT 4WD AXLE			
WITH ELECTRONICALLY-CONTROLLED HYDRAULIC SUSPENSIONS			●
ELECTROHYDRAULIC 4WD ENGAGEMENT			●
MAX. STEERING ANGLE		55°	
ELECTROHYDRAULIC DIFFERENTIAL LOCK			●
BRAKING SYSTEM			
WET MULTI-DISK REAR BRAKES			●
AUTOMATIC 4WD ENGAGEMENT ON BRAKING			●
BRAKING BOOSTER SYSTEM SERVO BRAKE			●
HYDRAULIC TRAILER BRAKING			○
PNEUMATIC TRAILER BRAKING			○
HYDRAULIC SYSTEM			
CLOSED-CENTRE CIRCUIT			●
HYDRAULIC PUMP FLOW	L/MIN	157 (212 OPT)	
STEERING PUMP FLOW	L/MIN	115	
ELECTROHYDRAULICALLY-OPERATED REAR REMOTE VALVES	STD/OPT	4 / 6	
ELECTROHYDRAULICALLY-OPERATED MID-MOUNTED REMOTE VALVES		2 ○	
ELECTROHYDRAULICALLY-OPERATED FRONT REMOTE VALVES		2 ●	
3-WAY FLOW DIVIDER		○	
EAZYTEER STEERING SYSTEM			●
CAN BUS LIFT CONTROL HITCH			
ELECTRONICALLY-CONTROLLED REAR HITCH			●
MAX LIFT CAPACITY	KG	12000	
DRAFT SENSING ON LOWER LINKS			●
THREE-POINT HITCH	CAT.	3	
DOUBLE-ACTING FRONT HITCH (LIFT CAPACITY 5000 KG)			●
CAB AND DRIVING POSITION			
PREMIERE CAB WITH FOUR-POST DESIGN AND FLAT-DECK PLATFORM			●
ELECTRONICALLY-CONTROLLED HYDRAULIC CAB SUSPENSION (SEMI-ACTIVE CAB SUSPENSION)			●
AUTOMATIC CLIMATE CONTROL			●
DIGITAL INSTRUMENT PANEL WITH PERFORMANCE MONITOR			●
DELUXE LOW-FREQUENCY AIR SUSPENSION SEAT WITH VENTILATION AND ARMREST			●
PSM ADAPTOR			●
RADIO / BLUETOOTH / MP3 READY			●
ISOBUS ADAPTOR			●
ISOBUS FRONT ADAPTOR			○
12" TOUCH SCREEN MONITOR			●
PSM GUIDANCE KIT (PRECISION STEERING MANAGEMENT)			○
HIDE AWAY BUDDY SEAT + AIR-CONDITIONED IN-CAB STORAGE COMPARTMENT			●
LED LIGHTS			●
DIMENSIONS AND WEIGHTS			
FRONT TYRES		650 / 65R34	
REAR TYRES		900 / 60R42	
A - MAX LENGTH (WITH BALLAST WEIGHTS)	MM	5150	
B - MIN WIDTH	MM	2930	
C - WHEELBASE	MM	3000	
D - HEIGHT OVER CAB	MM	3400	
E - GROUND CLEARANCE	MM	520	
TOTAL WEIGHT WITHOUT BALLAST WEIGHTS	KG	10800	
OPTIONAL EQUIPMENT			
FRONT HITCH AND PTO			○
FRONT WEIGHT FOR HITCH 2450 KG			○
BALLAST WEIGHTS FOR REAR WHEELS 4 X 250 KG			○

Key: ● standard ○ option — non available

compacting- soil stabilization-  
binder spreader-levelling-  
trench cutting-manhole cutter



**MOST ECONOMICAL Binder (Cement) Spreader**



**MANHOLE CUTTER**

**GRADER**



The ultimate levelling machine for t  
he maintenance and construction of gravel roads.  
The crease blade invented by Stehr can be used to  
produce all road construction profiles. It is also  
possible to install a crown with one run



**TRENCH CUTTERS**

For Digging, laying & filling back soil  
To lay optic fibre cables at the  
rate of 1 kms per hour.

**COMPACTOR**



**On a job site in India.**



# PORTABLE CEMENT (BINDER) SPREADER



**SBS 6000**

Made In Germany



## STEHR SBS 6000

Binder volume: 6 m<sup>3</sup>  
Weight: 2460 kg  
Width: 2610 mm  
Height: 2675 mm  
Length: 3750 mm  
spread width: 2400 mm / 1200 mm  
(hydraulically halved)

**Tractor: from 80 HP**



**SBS 10**

## STEHR SBS 10

Binder volume 10 m<sup>3</sup>  
Weight: 3670 kg.  
Width: 2665 mm  
Height: 3190 mm  
Length: 4775 mm  
Spread width: 2400 mm / 1200 mm (to be  
hydraulically halved)

**Tractor: from 130 HP**

### *Main Technical & Salient features:*

#### **Fill Level check: optical with electronic sensors.**

- Trailer with hydraulically adjustable hitch and compressed air brake.
  - No conveyor belt, no screw conveyor, no bridging.
- Dust filter: the blowing air escaping during filling is cleaned via a dust filter developed by Stehr. This is easy to clean and maintenance-friendly

**ALB ALLEN BUILDWELL  
PRIVATE LIMITED**

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