

Tremix Beams and Screeds for Concrete Surfaces



When the going gets really tough, you want the best.

B E A M S A N D S C R E E D S

- Bay width range: up to 12 m
- Steady
- Low weight
- Surface vibration and levelling
- Adjustable impact

✓ Please refer to technical data, page 7



SME/SMP

The Tremix surface vibrators SME (electric) and SMP (petrol powered) for bay widths up to 6 m are used for most types of concrete floors. The depth effect is 100-150 mm depending on the concrete consistency and the beam length. Thicker concrete slabs should be compacted with a Tremix poker vibrator before levelling for thorough vibration.

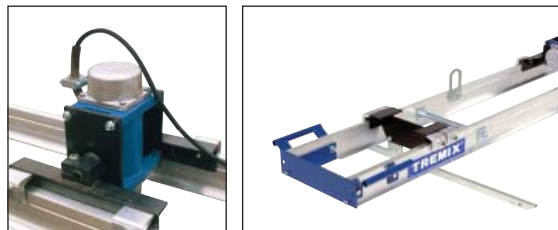
The Tremix surface vibrators SME and SMP consist of two main parts: Tremix Beam S 100 and Tremix Vibrator Unit ME 100 for electric drive or Tremix Vibrator Unit MP for petrol drive.

There is an adjustable tensioning device to prevent the sag of the profiles due to the weight of the vibrator unit.

A switch with reversing mechanism is mounted on a separate clamp fixed to one end of the beam.

The vibrator unit is straddled on the profiles and may be moved to a beam of another length.

Standard beam lengths: 3.2, 4.2, 5.2 and 6.2 m.



The vibrator can be easily swivelled into vertical position for surface levelling without vibration.



SMEH/SMPH

The Tremix Surface Vibrator SMEH/SMPH is used for working bay widths from 6 to 12 m. The depth effect is 100 to 150 mm depending on the concrete consistency and the length of the beam. Thicker concrete slabs should be vibrated with a Tremix poker vibrator before levelling.

The screed consists of two main parts: Tremix beam S 150 and Tremix electric vibrator unit ME150 or Tremix vibrator unit MP for petrol drive.

The beam S 150 consists of two Tremix light alloy profiles height 150 mm. The 8.0 m beam may also be delivered in sections for ease of transport. The beam is strengthened with cross stays.

Beam lengths over 8 m are delivered in two sections.

The switch with reversing mechanism is mounted on a separate clamp fixed to one end of the beam.

Tremix offers various accessories such as Tremix outriggers, used when the surface vibrator is run on elevated track rails. And skates to be used directly on the reinforcement. The skates can be adjusted in several heights.

Standard beam lengths: 6.2, 7.2, 8.0, 8.4, 9.4, 10.4, 11.4 and 12 m.



The vibrator unit MP consists of an air cooled, monocylindric, 4-stroke Honda petrol engine.

BEAMS AND SCREEDS

- Working width up to 25 m
- Adjustable angle between sections to achieve slopes
- Depth effect up to approx. 12 cm
- Low weight
- Perfect surface finish with closed concrete pores
- Several accessories
- Electric/ petrol driven models

✓ Please refer to technical data, page 7



SVE/SVB

The Tremix flex screed is made of a self-supporting framework of light weight aluminium. The sections are available in standard lengths of 1, 2 or 3 m. The length of the end section with drive unit is 0.3 m which gives standard lengths of for example 5.3 m etc. Special lengths on request. The assembly is quick and easy as the sections are connected with two bolts and the weight of a section is 17 kg/m only.

The vibrator shaft runs internally along the sections and is fitted with eccentric weights evenly distributed along the entire length, producing a regular vibration along the entire screed.



The quick couplings can be adjusted up to a +/- 5% angle to allow slopes in the slab. As an option the couplings can be replaced by a special connection for further angling up to +/-30%.



The flex screed can be run on the Tremix rail system, Combiform, or any other track rail system.



The flex screed can be provided with an extension piece of 0.5 m on one or both sides. It is possible to cut the extension pieces to 0.2 m if necessary.



Lifting handle as standard and electric winches as option.



Can be equipped with skates to be used directly on the reinforcement.

B E A M S A N D S C R E E D S

- Stepless vibration frequency
- Perfect for repair work
- 230 V, single phase
- Antivibration handle
- Peak performance
- Low weight

✓ Please refer to technical data, page 7



R 21 E

The Tremix Vibrator Screed type R 21 E is an electric, high-frequency vibrator provided with a single screed board. It is designed for vibrating and levelling in confined spaces such as repair jobs, house garages and small rooms. The vibrator has a stepless vibration frequency which makes it suitable for most concrete consistencies as well as for vibrating and levelling the top course on existing base floors. Tremix poker vibrators should be used together with the R 21 E for thick concrete layers.

The vibrator screed is provided with an antivibration handle. The vibrator can be turned 90° for horizontal vibration.

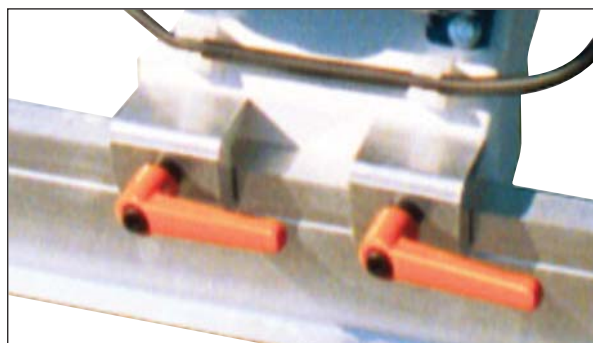
The screed board is an aluminium profile, specially designed for the R 21 E. It is possible to replace the aluminium profile by a wooden screed board.

The screed board is available in standard lengths of 1.6, 2.1, 3.2 and 4.2 m.

The R 21 E vibrator screed is a robust and reliable machine which saves time and



Start/stop knob for stepless speed control in the same control box.



B E A M S A N D S C R E E D S

- Honda 4-stroke engine
 - Antivibration handles
 - Chrome-plated parts
 - Foldable handles
 - Handles adjustable in height
 - Stepless centrifugal force/frequency selection
- ✓ Please refer to technical data, page 7



Easy Strike

The Tremix bull float Easy Strike is intended for levelling newly placed concrete.

The 4-stroke petrol engine Honda GX35, known to be reliable, has a low noise and exhaust level. The engine is easy to start and features a low fuel consumption. No oil mixing is necessary.

The eccentric weight holder, the board and the handles are made of cast aluminium for low weight, combined with power. The handles and other steel parts are chrome-plated, which protects the surfaces against corrosion during a long time.

Efficient vibration dampers protect the engine.

A vibration damper placed between the upper engine holder and handles reduces the vibrations in the handles.

The operating handles are adjustable in height for operator comfort. They are also foldable in order to facilitate transports. The guard over the engine acts as a shock absorber and a lifting clamp.

The eccentric weight, which is generating horizontal vibrations, is steplessly adjustable for optional choice of centrifugal force and frequency. Therefore, the bull float is suitable for work in different concrete mixes.

Easy Strike is service-friendly.



With folded handles it is easy to transport the bull float.



B E A M S A N D S C R E E D S

- Low weight
 - Variable vibration
 - Adjustable working angle
 - Petrol engine or electric motor 230 V, 1-phase
 - Lifting grip
 - Protective tube over engine/ motor
 - Entire board, easy to clean
- ✓ Please refer to technical data, page 7



BFE/BFP

The Tremix vibratory bull float is intended for levelling fresh concrete. The machine is easy and comfortable to work with. It leaves level and smooth surfaces that normally do not require any adjustment afterwards. The bull float is light and can easily be handled by one person.

The board has no notches and therefore cannot sink into the concrete. The frequency is variable thanks to a stepless speed regulation. By turning the handle tube, the working angle can be increased or reduced in order to achieve the best possible surface and to have a comfortable working position.

The Tremix vibratory bull float is available in two different versions; equipped with an electric motor 230 V, 1-phase or a petrol engine.

Electric version BFE:

The handle is extensible up to a total length of 3.6 m. The motor is provided with an electronically controlled speed regulator. The main switch and the speed control on the handle may be easily moved. The motor is robust and reliable, safely enclosed in a metallic casing.

Petrol-powered version BFP:

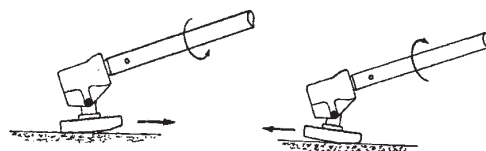
The handle is divisible. The throttle control is positioned on the handle tube, easily accessible for the operator. The 4-stroke Honda engine is provided with a recoil start and a membrane carburettor. The engine is easy to start and reliable, running evenly over the whole range of revolutions.

BFH

The Tremix hand bull float BFH is intended for levelling fresh concrete. It is possible to increase the handle length up to 12 m with extension tubes. The contact surface of the hand bull float can easily be adjusted by means of a reliable angle adjustment device.

The hand bull float leaves an even and smooth concrete surface thanks to the rounded edges of the board.

The BFH is particularly suitable for adjustment and rectification work far away in the casting bay as well as at shorter distances.



T E C H N I C A L D A T A

SME/SMP

Beam	5 100
Beam spacing (distance between profiles)	300 mm
Height of profiles	100 mm
Standard lengths (Special lengths available)	3.2, 4.2, 5.2, 6.2 m
Weights of above standard lengths	32, 41, 47, 57 kg

Vibrator unit MP

Engine	Honda GX 120 - air cooled 4- stroke - Petrol engine
Power	2,3 kW (3,5 H.P)
Engine speed	3600 rpm
Centrifugal force	2900 N (290 kp)
Weight	35 kg

Vibrator unit ME 100

Type	Tremix External vibrator 3001/5
Voltage	400, 230 V
Nature of current	3-phase, 50 Hz
Rated current	0.8 A (400 V), 1.4 A (230 V)
Power input	450 W
Frequency	47.5 Hz (2850 vibr./min)
Flyweight torque adjustable in 5 steps	1.5-5 kg/cm
Centrifugal force	920-4600 N (92-460 kp)
Weight	19 kg

SMEH/SMPH

Beam	5 150
Beam width (distance between profiles)	300 mm
Profil height	150 mm
Standard lengths (special lengths available)	6.2, 7.2, 8.0, 8.0 (divided), 8.4, 9.4, 10.4, 11.4 and 12 m
Weight of above standard lengths	74, 86, 96, 98 kg 113, 127, 140, 154, 162 kg

Vibrator Unit ME150

Type	External Vibrator 3001/5
Voltage	400, 230 V
Nature of current	3-phase, 50 Hz
Rated current	0.8 (400 V), 1.4 A (230 V)
Power input	450 W
Frequency	47.5 Hz (2850 vibr./ min)
Flyweight torque, adjustable in 5 steps	1.5-5 kg/cm
Centrifugal force	920-4600 N (92-460 kp)
Weight	19 kg

SVE/SVB

Motor, electric	3-phase, 400 V, 50 Hz or 60 Hz
Engine, gasoline	Honda GX 160 5,5 H.P
Centrifugal force	500 N
Speed, electric winches	1-1.5 m/ min
Frequency	50 Hz
Dimensions	
Beam height	520 mm
Beam width	355 mm
End section height	1000 mm
End section working length	0.06 m
Total space requirement incl. manual winch	0.28 m

Weights

Section 1.0 m	approx. 19 kg
Section 2.0 m	approx. 34 kg
Section 3.0 m	approx. 47 kg
Driving unit 0.3 m	approx. 51 kg
End section	approx. 17 kg

R 21 E

Voltage	230 V
Type of current	1-phase, 50 Hz
Amperage	0.5 A
Frequency	0-200 Hz stepless
Centrifugal force	max. 1850 N (185 kp)
Weight excluding screed board	13.5 kg
Standard lengths	1.6, 2.1, 3.2 and 4.2 m

Easy Strike

Engine	Honda GX35, OHV - 1-cylinder 4-stroke - petrol engine
Power at 7400 rpm	1.0 kW, 1,3 HP
Power transmission	Centrifugal clutch
Number of revolutions outgoing shaft	2000-9000 rpm
Frequency	up to 166 Hz
Centrifugal force	max. 3460 N

Weights

Drive unit	15 kg
Board 1.82 m	6 kg
Board 2.44 m	8 kg
Board 3.00 m	10 kg
Board 3.66 m	13 kg
Board 4.26 m	14 kg

BFH

Board	
Length	1.5 and 2.0 m
Width	152 mm
Weight	5.0, 6.5 kg
Link	
Weight	1.3 kg
Tube 44	
Length	1.8 m/each
Weight	0.9 kg/each

BFE/BFP

Working width	1.5 m or 2.0 m
Length of handle	1.8 + 1.8 m
Frequency	166 Hz

BFE

Motor Electric	1-phase, 230 V 50 Hz
Centrifugal force	max. 2000 N
Weight, without handle	16.5 kg, 18 kg

BFP

Engine	Honda 4-stroke GX 25 OH.
Frequency	max 166 Hz
Fuel	Petrol, regular 95 octan
Tank	volume 0.5 l sufficient for one hour's work
Centrifugal force	max. 1100 N
Weight, without handle	13.5 kg, 14.8 kg

Facts about TREMIX

TREMIX products are successfully used in the construction industry and in civil engineering projects. The Tremix System is used for the production of strong and durable concrete for industrial floors, parking decks, bridges, etc.

PRODUCT RANGE

Vibratory tampers, forward and reversible soil compactors, duplex rollers, immersion vibrators, surface vibrators (screeds), bull floats, power-trowels and equipment for the dewatering of concrete by the vacuum process.

The production plants are located in Sweden and France. The TREMIX products are distributed by local distributors or agents in many countries.

