



# **SBS-15T**

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**SOFT BEARING SUSPENSION | Datasheet**





## Up to 15 TONS with SBS-15T

High precision balancing for high loads at a very low cost

The SBS-Series Soft Bearing Suspensions are the heart of any precise Balancing machine.

Build your own balancing machine affordably, without sacrificing exceptional performance.

The SBS-15T include an elevation screw with a range of 50 mm (1.96 in). For a better contact between the journal and the rollers, the SBS-15T has a swing system with a pitch of up to 10°. This allows a perfect contact to avoid damages to the journal rolling surface.

The SBS-15T can support up to 15,000 kg, 7,500 kg each support, and their slices allow journal diameters up to 490 mm (19.29 in).

>High sensitivity and accuracy

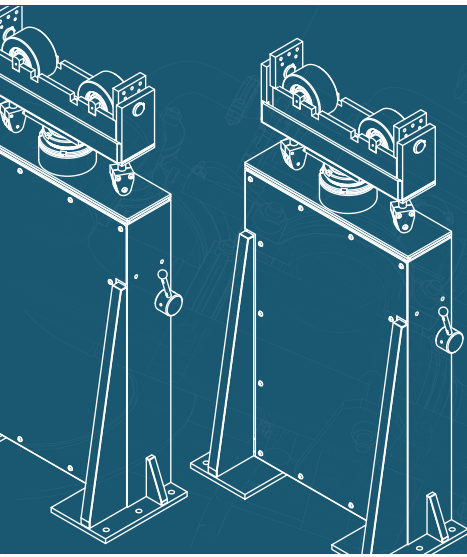
>Lock system

> Elevation screw

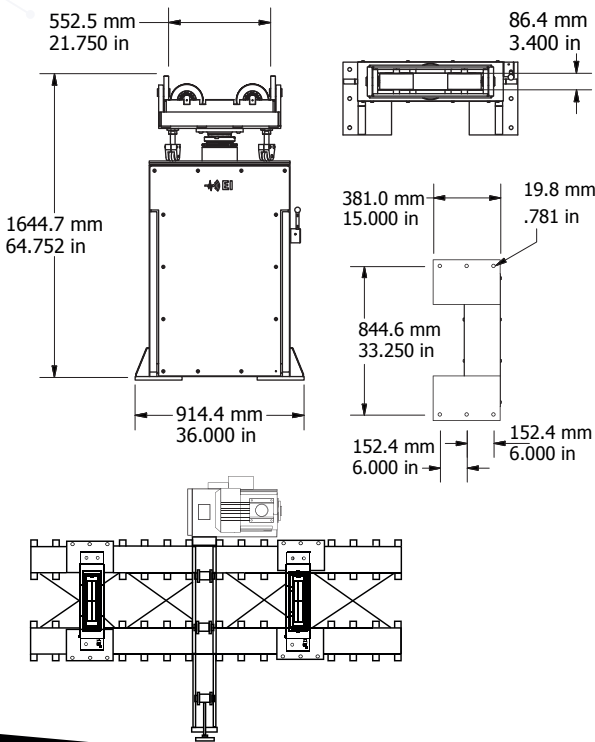
>Compatible with any accelerometer

>Blueprints of transmission system, pedestals and bench frame to build your own balancing machine





Balancings are done at higher frequencies than the resonance frequency of the suspensions



**Total load:**  
Max: 15,000 kg (33,069.33 lb)  
Min: 750 kg (1,653.47 lb)



**Dimensions:**  
915 x 381 x 1645 mm  
(36.02 x 15 x 64.76 in)



**Weight:**  
452 kg (996.48 lb)/Unit



**Lubrication:**  
Manual



**Precision:**  
G2.5



**Lock system:**  
Yes



**Max SBS displacement:**  
130 mm (5.11 in)



**Journal diameter:**  
Max: 490 mm (19.29 in)



**Elevation screw:**  
50 mm (1.96 in)



**Max rotor diameter:**  
~2,500 mm (98.42 in)

# Accessories

Increase the performance of your **SBS-15T** with optional accessories.

## DigivibeMX System



\*computer not included

Dynamic balancing software on SBS or influence coefficients. Includes a four-channel interface, two accelerometers and a laser tachometer.

## Surface PRO Tablet with case



A Windows tablet ideal for dynamic balancing work using DigivibeMX, with a protective casing specially designed for industrial environments.

## Control Module



Cabinet with control panel with start, stop, rotation change and rotation speed buttons. Compartments for PC and storage of your tools and balancing devices.

## Negative Load Supports



Accessory recommended to secure cantilever-mounted rotors and components with high vibration levels, such as crankshafts. Each support is adjustable in height.

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