



SBS-15T

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.

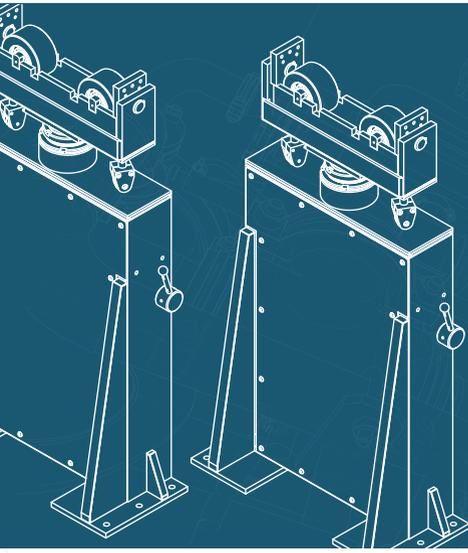
Build your own balancing machine affordably, without sacrificing exceptional performance.

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.

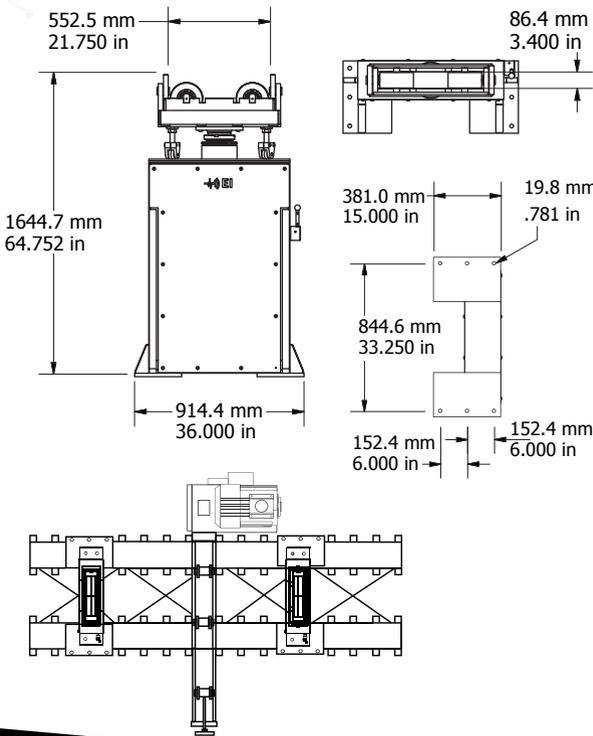
The SBS-15T can support up to 15,000 kg, 7,500 kg each support, and their slices allow journal diameters up to 490 mm (19.29 in).

- >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.

ERBESSD INSTRUMENTS®

WORLDWIDE toll-free:

+1-877-223-4606

ENGLISH:

Sales, Service & Tech Support

+1-518-874-2700

info@erbessdreliability.com

SPANISH & FRENCH:

Sales, Service & Tech Support

+52 (55) 6280-7654

info@erbessd-instruments.com

WEB SITE

www.erbessd-instruments.com

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