

## SOFT BEARING SUSPENSION | Datasheet



#### **SBS** | EI-30

Designed to allow free radial displacement, the **SBS-30 minimizes friction** and mechanical losses on their **aluminum** components.

SBS-30's bearings **support up to 30 kg** per pair (15 kg each). Their design allows balancing rotors with a maximum journal diameter of 88 mm (3.4 in).

The soft balancing mechanism allows you to improve balancings with very high precision on almost any kind of rotating parts. With this system, all balancings are performed at higher frequencies than natural frequency of the supports.

This system allows the rotor to rotate around its gravity center instead of its geometric center, which is ideal for the **2-run balancing.** 



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









30 kg (66.13 lb) 0.05 kg (0.11 lb)



Weight: 1.2 kg (2.64 lb)/Unit



Precision: G0.4



Max SBS displacement: 12 mm (0.47 in)



**Dimensions:** 127 x 32 x 160 mm (5 x 1.25 x 6.29 in)



Lubrication: Manual



Lock system: Yes



Max journal diameter: 88 mm (3.46 in)

## Accessories Increase the performance of your SBS-30 with optional accessories.

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#### **DigivibeMX System**



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

#### **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.

# Tablet Surface PRO with case



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

#### **Negative Load Supports**



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

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