



SP 95

Impact Ball for Building Acoustics

SP 95 Impact Ball is used for sound insulation testing in light weight structures where a standard (tapping machine) impact sound source would create too much impact force. It has been designed in accordance to ISO 10140-5 and ISO 16283-2 standards.

The use of SP 95 Impact Ball is very easy – it is dropped vertically in a free fall from height of 100 cm to the surface of the floor. In practise SP 95 can be used to assess soft impacts related to human disturbance, such as children jumping.

Used for sound insulation testing in light weight structures where a standard (tapping machine) impact sound source would create too much impact force.

- Used for low frequency impact noise insulation tests in the octave bands from 31.5 Hz to 500 Hz.
- Meets ISO 10140-5 and ISO 16283-2 standards.
- Mass 2.5 kg and convenient size allows easy transportation and carrying.
- Comfortable carrying bag included
- Easy to clean using water

Impact force exposure level in each octave band of the heavy-soft impact source

Octave band center frequency Hz	Impact force exposure level L_{FE} dB re 1 N
31.5	39.0 ± 1.0
63	31.0 ± 1.5
125	23.0 ± 1.5
250	17.0 ± 2.0
500	12.5 ± 2.0

Technical Specifications

Standards	ISO 10140-5: 2021 ISO 16283-2: 2015
Material	Silicone rubber
Diameter	180 mm
Weight	2.5 kg

