BRS

This high-performance, adjustable, heavy-duty raised floor support leg is a professional support system with superior engineering details, specifically developed for data centers, server rooms, control centers, and heavily loaded technical spaces. Thanks to its high-strength steel body, it distributes the load homogeneously across the panel surface, while providing maximum safety and stability even under heavy rack and equipment loads with a load capacity reaching 1,500–2,500 kg. The height adjustment mechanism ensures that the level adjustment remains stable for many years, preventing level loss over time.

The product's most important distinguishing feature is its vibration and sound insulation provided by PP bushings and isolators. This special insulation system dampens 60–70% of structural vibrations, and reduces walking and impact noise levels by 12–20 dB. Completely eliminating metal-to-metal contact prevents resonance, increasing user comfort and guaranteeing the system's long lifespan and quiet operation. Thanks to its shock-absorbing structure, shocks caused by sudden load changes are also largely absorbed.

The steel base provides maximum grip on the ground, minimizing the risk of tipping and sliding even under lateral loads. Its structure, which can be mechanically fixed to the ground when necessary, offers extra safety, especially in sensitive and high-traffic areas. With all these features, this pedestal system is not just a support leg, but a top-segment infrastructure solution that offers high stability, acoustic comfort, and long-lasting performance, suitable for all ground standards.



BRS / TECHNICAL

Technical Data:
Component class according to DIN EN 12825: 6
Single Load: ≥ 3 kN
Distributed Load: ≥ 7 kN
Breaking Load: ≥ 8 kN

Head (Head):
Head sheet dimensions: Ø90 × 2.5 mm
The head is constructed using Ø90 × 2.5 mm sheet metal and Ø21 × 1.5 mm pipe.

Acoustic Properties:
Provides sound insulation by absorbing 60–70% of sound compared to standard legs.

(The BRS acoustic and impact isolator system can also be integrated into MRT, AFR, YHY, YSF and BTN leg systems.

TBase and Rod:
Base plate dimensions: Ø90 × 1.5 mm (75x75x1.5mm)
Adjustment rod: M14 × 120 mm, steel
The rod is mounted to the base plate using a roll-fit (tight fit) method.
Height adjustment is possible thanks to the M14 nut.

Adjustment and Fixing:
After the appropriate height adjustment is made, the adjustment nut at the connection point of the head and foot is fixed with Loctite 243 or equivalent adhesive.

Load Capacity (System):
According to DIN EN 12825 standard:
Single load capacity: ≥ 3 kN (~300 kg)
Distributed load capacity: ≥ 7 kN (~700 kg)
Breaking load: ≥ 8 kN (~800 kg)

Panel Carrier Head and Body Tube

It is the main load-bearing part that carries the panel load and forms the body of the leg; it distributes the load evenly to the lower components and ensures system stability.

Load Distributing Isolation Washer

Distributes the load evenly between the top header and the bottom components, reducing vibration and noise generation..

Isolation Bushing (Intermediate Bushing)

Reduces vibration and noise generation by interrupting contact between metal parts, and balances load transfer.

Isolation Washers

They prevent metal contact between the bushing and the sub-components, reduce vibration and noise generation; ensure balanced load transfer and system stability.

Load Distributing Seat Plate

It reduces vibration by distributing the load evenly to the rod and base system, ensuring stable operation of the system.

Adjustable Base and Anchor Body

Enables height adjustment, safely transfers the load to the ground, and supports the system's secure fixation to the ground.

