



RoHS Compliant

NBK®

No.E-9942

## Built-in Vibration Isolation Mount (Stainless Steel Fittings)

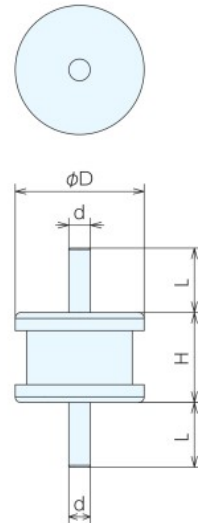
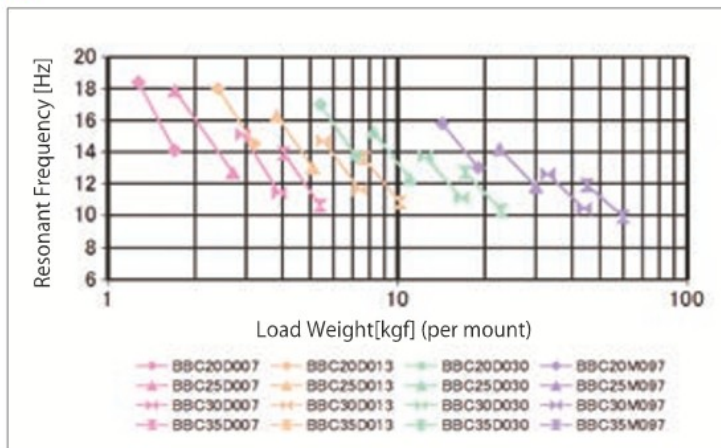
**Material** Fittings: Stainless steel Vibration isolation material: Ether-based polyurethane

- Uses polyurethane foam material that can reduce vibrations even low frequency vibrations.
- Uses ether-based polyurethane that is resistant to water and ultraviolet light, and exhibits virtually none of the degradation that occurs with rubber.
- Durability has been increased by using cup-shaped stainless steel fittings.

### Usage examples

- Isolates vibrations caused by vibrating equipment such as compressors, blowers, coolers, electric motors.
- Removing vibrations transmitted to equipment that is sensitive to vibrations such as measurement instruments and microscopes.

### Characteristic data



### Selection guide

From the characteristic data graph, select the mount with the natural frequency of 1/2 or less of the vibration frequency you want to isolate or remove.

### [Selection example]

**If you want to isolate the vibrations from a pump running at 1,800 rpm with a load of 5 kg on each mount.**

- The frequency of the vibrations produced by the pump is  $1,800 \text{ rpm} / 60 \text{ seconds} = 30 \text{ Hz}$ .
  - Therefore, a mount with a natural frequency of  $30 \text{ Hz} / 2 = 15 \text{ Hz}$  or less should be selected.
- In this case, BBC25D013 (natural frequency of 13 Hz when under a load of 5 kg) and BBC35D007 (natural frequency of 11 Hz when under a load of 5 kg) are suitable.

Jig Set-up Systems  
(Q-Lock)

Base Elements

Clamp Units

Clamping Parts

Mechanical Parts

Machine Vises

Surface Plates and  
Measurement Instruments

Index