



The Right Air Bearing For The Job

Hovair A-type Air Bearings

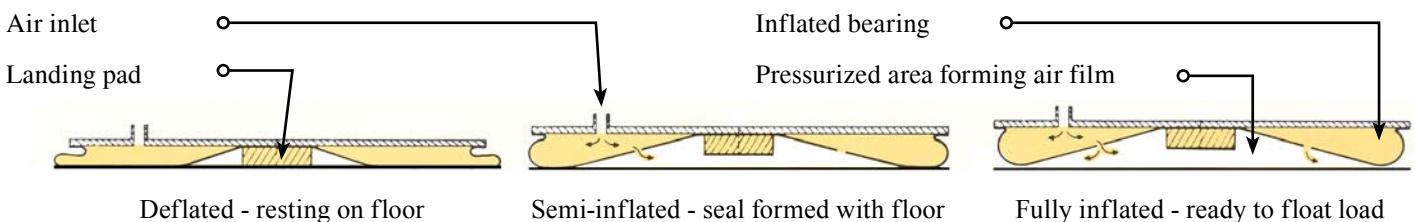
Selecting the right air bearing for the job is probably the most important feature you need to consider when ordering an air bearing system to move your heavy loads. All air bearings are designed to float loads across floor surfaces, and some bearings will lift the load vertically off its base before floating it to its destination.

Hovair Systems offers the option of A-type or B-type bearings to suit the requirements of the application, so it is important to select the right bearing for the job.

Which Bearing Do You Need For Your Load?

Hovair A-type air bearings are designed to move loads laterally across floor surfaces with “just enough” lift to cause the load to float smoothly.

The diagram below highlights the three stages of an A-type bearing operation.



- ▶ A-type air bearings are most suitable when fitted permanently to a load, such as machinery or large heavy objects that need to be floated but not lifted. Also, these are ideal for situations where loads can be placed directly onto the air bearings/load modules, therefore not requiring the load to be lifted by the air bearings before moving across the floor.
- ▶ Use A-type bearings when the load needs little lift and floor surface is smooth and level, resulting in the most efficient use of compressed air.
- ▶ A-type bearings consist of a tough urethane fabric that is securely stapled to an aluminum backplate. This bearing can withstand tougher load handling, requires lower air pressure, less air, and is generally most economical and longer wearing.
- ▶ A-type air bearings are available in round steel and aluminum load modules, air pallets, platform transporters, and air beams. These products offer a broad selection when choosing the right bearing for the job.

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BE SURE TO CONTACT US FOR ASSISTANCE IN CHOOSING THE RIGHT AIR BEARING FOR YOUR PARTICULAR JOB.



The Right Air Bearing For The Job

Hovair B-type Air Bearings

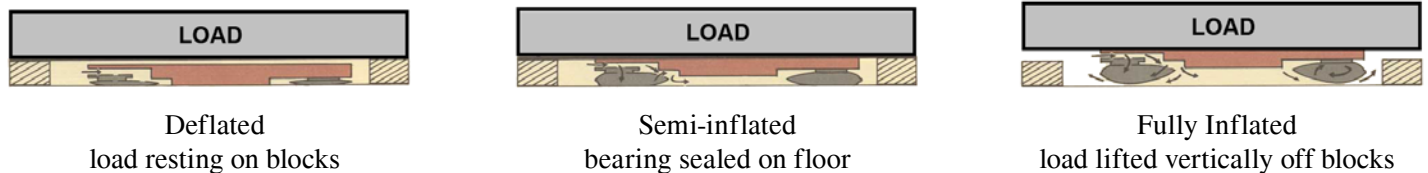
Selecting the right air bearing for the job is probably the most important feature you need to consider when ordering an air bearing system to move your heavy loads. All air bearings are designed to float loads across floor surfaces, and some bearings will lift the load vertically off its base before floating it to its destination.

Hovair Systems offers the option of A-type or B-type bearings to suit the requirements of the application, so it is important to select the right bearing for the job.

Which Bearing Do You Need For Your Load?

Hovair B-type air bearings are designed to lift loads vertically off their base, then move laterally across floor surfaces to their destination, then dropped into position. They function the same as A-type bearings, but lift two to three times as much when pressurized.

The diagram below highlights the three stages of a B-type bearing operation



- ▶ B-type air bearings consist of a two-piece vulcanized body that is glued to an aluminum backing plate. This rubber diaphragm can give a relatively high lift and operates at higher air pressure.
- ▶ B-type bearings are preferred where low collapsed height, high lift, and capacity per square inch are more important than wear, stability, and air consumption efficiency.
- ▶ Glued assemblies are repairable when compared to other air bearings that are vulcanized or riveted to the backing plate.
- ▶ Superior lift height over the A-type air bearing. The B-type bearing is able to lift a load up to three times the lift height of the A-type bearing, thus making it possible to engage a load using a "lift & pick" movement similar to a regular pallet truck.
- ▶ B-type bearings stabilize at 30 psi instead of 15 psi. This enables load capacities of double the A-type bearing for the same size air bearing, but requires three times the air consumption.
- ▶ B-type air bearings are also available for air pallets, platform transporters, and air beams. These products offer a broad selection when choosing the right bearing for the job.

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