

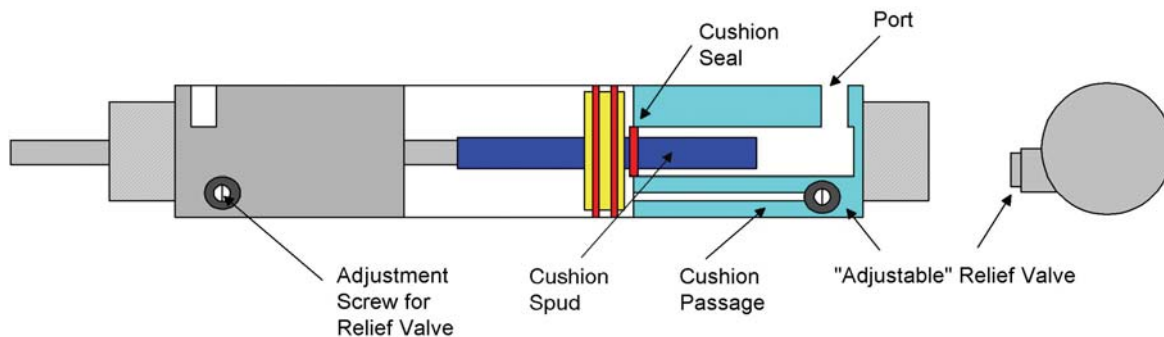


High Velocity Cushion Cylinder

A customer needed a way to handle both high velocity and a heavy load in a tool changing application. Bimba developed a cylinder that reduced bounce and provided enough distance for smooth deceleration. The cylinder featured a longer cushion spud and a fully adjustable relief valve that allowed the operator to control the deceleration rate.

How it works

- As the cylinder rod is in the retracting mode, the cushion spud approaches the cushion seal.
- The cushion spud enters the cushion seal and forces air through the cushion passage to the adjustable relief valve.



- The cylinder is now decelerating the load and the extended cushion is now absorbing kinetic energy.
- The piston bottoms out, the rear cylinder port can now be now pressurized to extend the cylinder. The cushion seal collapses to allow full flow to the piston seals. The cylinder is now extending.

Contact Bimba at [1-800-44-BIMBA](tel:1-800-44-BIMBA) or visit bimba.com/distrib/distrib.htm to search for your local distributor

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