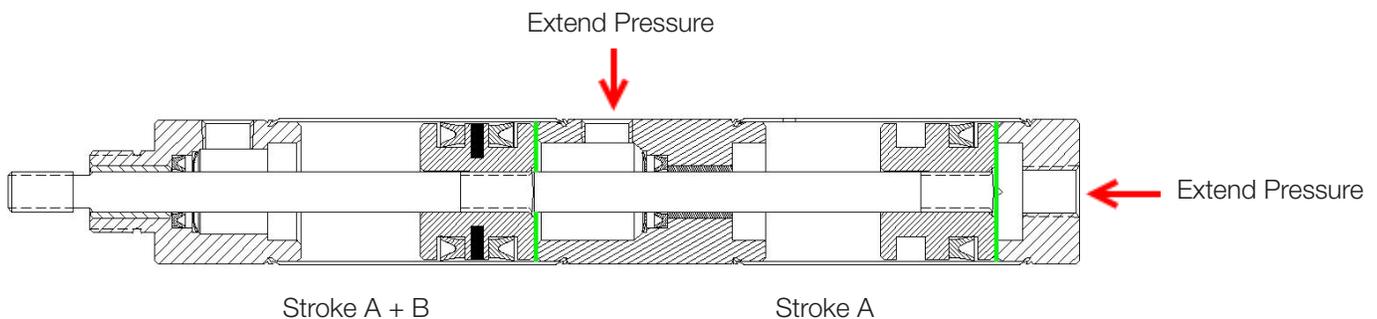




Multiple Power Original Line[®] and Small Bore Flat-I[®]

If you find yourself in a situation where you need more power, but cannot grow in diameter or need to keep the front mounting the same, an option to fix that would be to try a multiple power design. You can use the availability of Bimba Three Position Cylinders to your advantage.

The part numbers for these cylinders require an “A” stroke and a “B” stroke. As you can see in the picture below, by calling out the “B” stroke as zero (0) you will still get the 2 pistons as you would for a Three Position Cylinder, but they will both have the same amount of travel. To achieve multiple power, you simply have to supply air pressure to both pistons and you have instant extra power!



Dimensionally these cylinders will grow in OAL in comparison to their two-position counterparts. This option can be utilized in our Three Position Original Line[®] series as well as the Multiple Position Flat (FOP) series. The extend force in these units would be approximately double. The green in the picture indicates the effective area that will be applied toward your extend force. The retract force is the same as a standard two-position cylinder, as the piston rod assemblies are not rigidly connected.

To make a perfect circuit, check out Mead valves and Pneumadyne fittings/tubing!

www.mead-usa.com

www.pneumadyne.com

For more information on multiple power or multiple position cylinders, please contact Technical Support at 800-44-BIMBA.

The information presented is in Bimba's best engineering opinion and should be used for reference only. Recommendations derived should be verified under actual operating conditions. Bimba reserves the right to change specifications without prior notice.

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