

# Bimba Flats

## Introducing Bimba Manufacturing's FLAT Series of air cylinders



### EF and EFT Cylinders

The Bimba EF Series is a compact, aluminum-extruded body air cylinder designed for international machine requirements. The body is anodized in a special PTFE-impregnation process that provides superior wear characteristics. EF cylinders are available in four models: double acting, single or double rod end; and single acting, spring return or extend, and EFT cylinders are available in double acting, non-rotating. Both models are available in ten bore sizes from 12mm to 100mm. With its streamlined look, low cost and low-profile switch, it is an excellent choice for space-saving machine design.



EF

EF Series Cylinders

### EFQ and EFP MultiPosition Cylinders

The Bimba EFP Extruded Flat MultiPosition cylinder is a double-acting, single rod end cylinder that provides three positions in one cylinder package. This cylinder is available in 10 bore sizes from 12mm to 100mm for greater application versatility, with a two piston design that saves space using the existing EF footprint and eliminates the need for an additional cylinder. This unit can help simplify machine changeovers and thereby saving costs. The Bimba EFQ Extruded Flat MultiForce cylinder is a double-acting, single end rod cylinder that doubles the resultant force on extension. This cylinder is a two piston design that saves space using the existing EF footprint and eliminates the need for higher pressure systems or unique configurations. Only one piston is pressurized on the return stroke to save air volume and operating costs.



EFT



EFP

MultiPosition Cylinders



EFQ

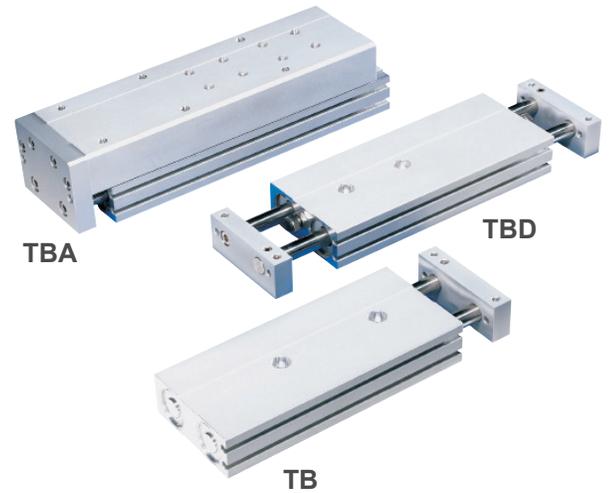
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### Metric Twin Bore Cylinders

The Twin Bore Cylinders are small cross-section, double-bore cylinders that provides highly accurate linear motion. Three cylinders make up the series: Basic Twin Bore (TB), Double End Twin Bore (TBD), and Twin Bore Air Table (TBA). The cylinders are available in seven bore sizes, from 6mm to 32mm with standard stroke lengths available from 10mm to 150mm. Extra long piston rod bearings are incorporated, resulting in high radial load capacity and options are available for side mounting holes and shock absorbers. Single and double end rod units are available to both Delrin® and ball bushing styles.



Metric Twin Bore Cylinders

### Twist Clamp Cylinder

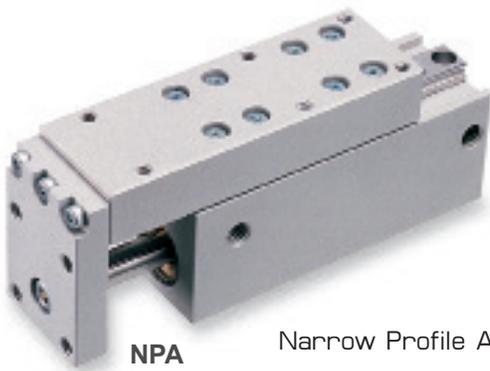
The Twist Clamp Cylinder combines linear and 90-degree rotary motion with an internal pin/cam mechanism. The rotary action moves a clamping arm away from the workpiece, allowing for easy loading and unloading of parts.



Twist Clamp Cylinder

### Narrow Profile Air Table Actuator (NPA)

The NPA actuator provides precise load guiding with a recirculating ball rail above its bore. Two bearing styles are offered (single/double bearing block) to accommodate both lower cost and higher precision/cost applications. With standard strokes up to 120mm, the NPA offers longer travel length than any competitive actuator of its type.



Narrow Profile Air Table Actuator

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