



pneumatic cylinders

tough, powerful, dependable



APPLICATIONS

Caption pneumatic cylinders are custom built in a wide range of types and sizes to fit your specific application.

FEATURES

CYLINDER STYLES

Caption pneumatic cylinders are available in two basic styles, welded and tie rod. A wide variety of tube materials are available including steel, aluminum, stainless and composite. Mounts, including clevis, crosstube, trunnion and more, can be made to fit any application.

QUALITY COMPONENTS

Only high quality components are used. High quality brand-name seals are used that either meet or exceed the cylinder's rated pressure. All processed parts, with the exception of some types of mounts, are precision CNC machined.

QUALITY PRODUCT

All components are thoroughly cleaned and inspected prior to assembly. Subsequently, all welds are 100% tested with air to ensure there are no leaks. And to top it off, all Caption pneumatic cylinders are backed by a 2 year warranty against manufacturer's defects.



Pistons and glands are made of aerospace grade 6061 T6 aluminum to reduce weight and the possibility of corrosion. Tie rods, where applicable, are made of 304 stainless steel. The main rod (shaft) is generally nitrided or hard chrome plated; but other materials are available.



On all tie rod style cylinder's, any corrodible steel surfaces are painted, unless otherwise specified. Standard colour is gloss black. Welded style cylinders can be painted upon request.



All of our business is focused on the manufacture of custom cylinders, so we place a greater emphasis on engineering than most of our competitors. Additionally, we are equipped with advanced Computer Aided Design (CAD) software tools for drawing, imaging, graphics, and stress analysis. This guarantees each cylinder will meet your specifications and needs precisely.



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