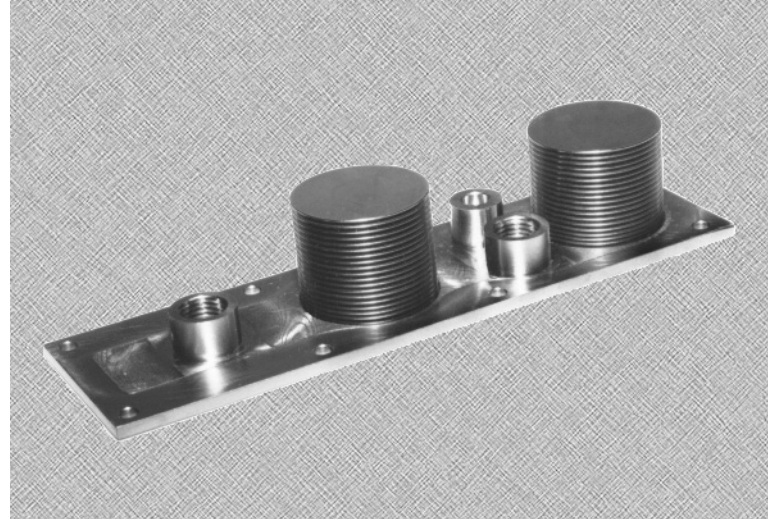




Titanium Bellows

OVERVIEW

Titanium bellows are designed for applications that require a high strength material, light weight construction, and media compatibility. Whether invasive medical devices or aerospace critical equipment, BellowsTech has the welding expertise and the variety of sizes and configurations to ensure high quality, repeatable results. With the flexibility to customize, BellowsTech can manufacture and weld custom fittings, flanges, and weld rings to its bellows to make customer installations easy and seamless.



SPECIFICATIONS	
Material	Titanium Grades 1-4/ASTM-B265
Thickness	0.002" and up every 0.001"
Standard Leak Rate	$<1 \times 10^{-9}$ std CC He/sec
Size Ranges:	
Outside Diameter	0.358" (9.0932mm) to 22.205" (564mm)*
Inside Diameter	0.198" (5.029mm) to 19.921" (505.99mm)*
Shapes:	Round
	Non-Round Available; Contact Factory.

TYPICAL INDUSTRIES

BENEFITS

Aerospace

Light Weight

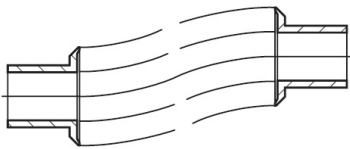
Medical

Medical Grade Material

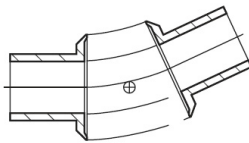
Test Equipment

High Strength

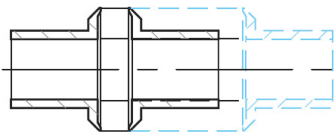
Outlines



Lateral Offset



Angular Offset



Axial Compression and Extension

Why Choose Edge Welded Bellows?

Of the three major metal bellows technologies, edge welded metal bellows have the highest stroke length, reaching 90% of its free length. This flexibility allows for increased expansion and contraction of the bellows. Edge welded bellows can be exposed to extreme temperatures and media. Both the inside and outside of the bellows can be exposed liquids and gases. Edge welded metal bellows also have a high cycle life to produce repeatable results and round or square shapes.