



# ISO FLEXIBLE BELLOWS SPECIFICATION SHEET

The ISO series of flanges and fittings include large vacuum components having interface dimensions defined by the International Standards Organization.

## MATERIAL

- 304 stainless steel
- 316/316L stainless steel available upon request

## FINISH

- Standard matte finish

## MOTION

- Axial: approximately +15% and -25% of Live Length
- Lateral: approximately 10% of Live Length

## PRESSURE RANGE

Limiting pressure is  $10^{-8}$  Torr. Standard components can be used to slight overpressure of 0-5 psi, with an overpressure ring.

## MANUFACTURING & ASSEMBLY

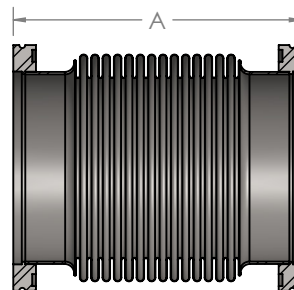
The HIS manufacturing facility is located in Hillsboro, Oregon. HIS uses top quality equipment and the latest orbital welding techniques. All welding is performed to applicable specifications and accepted industry standards.

## PACKAGING AND PROTECTION

QA/QC will verify that all components are suitably packaged and identified per the appropriate specifications.

## TECHNICAL APPLICATIONS INFORMATION

The staff at HIS is always ready to discuss your application. In most cases, it is possible to provide literature references for points discussed here.



Part No.	Flange Size	Nominal I.D.	Nominal O.D.	Wall	A	Pitch	Working Pressure 70° F	Static Bend Radius 70° F
IS-63FB4	2.500	2.450	3.150	0.006	4.000	0.220	VAC	2.750
IS-63FB6	2.500	2.450	3.150	0.006	6.000	0.220	VAC	2.750
IS-63FB8	2.500	2.450	3.150	0.006	8.000	0.220	VAC	2.750
IS-80FB4	3.000	3.074	3.970	0.008	4.000	0.295	VAC	3.000
IS-80FB6	3.000	3.074	3.970	0.008	6.000	0.295	VAC	3.000
IS-80FB8	3.000	3.074	3.970	0.008	8.000	0.295	VAC	3.000
IS-100FB4	4.000	3.948	4.970	0.008	4.000	0.315	VAC	3.500
IS-100FB6	4.000	3.948	4.970	0.008	6.000	0.315	VAC	3.500
IS-100FB8	4.000	3.948	4.970	0.008	8.000	0.315	VAC	3.500
IS-160FB4	6.000	5.854	6.900	0.010	4.000	0.452	VAC	5.250
IS-160FB5	6.000	5.854	6.900	0.010	5.000	0.452	VAC	5.250
IS-160FB6	6.000	5.854	6.900	0.010	6.000	0.452	VAC	5.250
IS-160FB8	6.000	5.854	6.900	0.010	8.000	0.452	VAC	5.250

All measurements are listed in inches. Custom lengths available upon request.