

## Edge welded bellows for high purity applications



**Highly flexible, customized assemblies, UHV / Ultra High Purity cleaned, tested and cleanroom suitable packaged. For use in the vacuum industry and semiconductor technology.**

Edge welded bellows are used in decoupling, feedthroughs, sealing, shielding, volume compensation and actuators in the UHV with the highest cleanliness requirements, operational safety and tightness. Applications with defined spring rates and cross-sections can also be found in semiconductor technology, which are implemented in customer-specific developments and designs with our broad portfolio of dimensions and materials in complex assemblies.

Constant innovation cycles in semiconductor production require constant optimization of flexible components with the highest requirement profile. We develop and realize these sophisticated assemblies to the highest level of cleanliness (optional residual gas analysis (RGA) certificate) with you.

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managing flexibility

Inner diameter (di)	Outer diameter (Da)	Wall thickness (s)
[mm]	[mm]	[mm]
6	13	0.08
8	16	0.05
8.6	16.2	0.05
11	22	0.10
11	22	0.15
11	27	0.10
11	27	0.15
11	31	0.10
11	31	0.15
12	20	0.10
12	20	0.15
12	20	0.15
12	22	0.10
16	30	0.10
16	30	0.15
17	31	0.10
17	31	0.15
17	37	0.10
17	37	0.15
21	42.5	0.10
21	42.5	0.15
21	42.5	0.20
21	49	0.10
21	49	0.15
21	49	0.20
25.5	50	0.10
25.5	50	0.15
26	57	0.15
26	57	0.20
29	49	0.10
29	49	0.15
29	49	0.20
29	61	0.10
29	61	0.15
29	61	0.20
33	67	0.15
33	67	0.20
34.5	47.5	0.10
34.5	47.5	0.15
36	53	0.10
36	53	0.15
36	72	0.15
36	72	0.20
38	66	0.15
38	66	0.20
39	59	0.10
39	59	0.15

Inner diameter (di)	Outer diameter (Da)	Wall thickness (s)
[mm]	[mm]	[mm]
39.5	52.5	0.10
39.5	52.5	0.15
42	72	0.15
42	81	0.15
42	81	0.20
44	72	0.15
44	84	0.15
44	84	0.20
44.5	57.5	0.10
47	88	0.10
47	88	0.15
47	88	0.20
51	76	0.15
52	80	0.10
52	80	0.15
52	80	0.20
57	102	0.20
57	102	0.25
62	88	0.15
62	88	0.20
62	109	0.20
62	109	0.25
65	90	0.15
67	102	0.15
67	102	0.20
67	102	0.25
67	112	0.20
67	116	0.20
67	116	0.25
72	110	0.20
72	123	0.20
72	123	0.25
77	93	0.15
77	93	0.20
77	107	0.10
77	120	0.20
77	130	0.20
77	130	0.25
82	108	0.15
82	125	0.15
82	125	0.20
82	136	0.25
84	100	0.15
84	100	0.20
87	103	0.15
87	103	0.20
87	130	0.20
87	143	0.25
87	143	0.30

Inner diameter (di)	Outer diameter (Da)	Wall thickness (s)
[mm]	[mm]	[mm]
92	134	0.25
92	134	0.30
92	149	0.25
92	149	0.30
97	134	0.20
97	134	0.25
97	134	0.30
97	145	0.20
97	156	0.25
97	156	0.30
102	150	0.20
102	163	0.25
102	163	0.30
106	122	0.15
106	122	0.20
112	128	0.15
112	128	0.20
112	160	0.20
112	173	0.25
112	173	0.30
121	151	0.20
121	173	0.30
127	173	0.20
127	185	0.25
127	185	0.30
135	180	0.20
142	168	0.15
142	168	0.20
152	185	0.20
152	226	0.30
156	186	0.20
158	178	0.20
158	178	0.25
177	207	0.15
186	212	0.15
202	237	0.20
230	265	0.20
250	275	0.25
250	275	0.30
250	285	0.20
270	310	0.20
270	310	0.25