



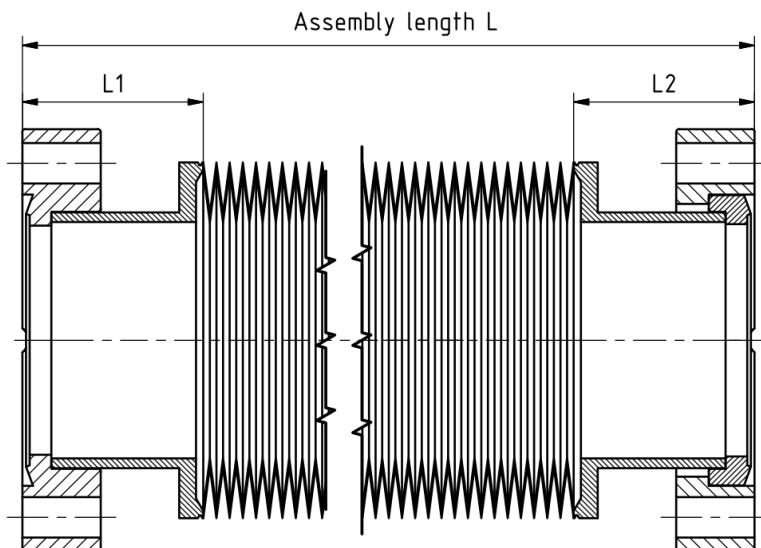
# Edge welded bellow data sheet

**Part name: EWB63R-20**

**Part number: 300566**

**Date: 01.11.2016**

Geometric dimensions			Technical specifications		
Inner diameter	[mm]	65	Vacuum side	Inside	
Outer diameter	[mm]	90	Helium leak rate	[mbar·l/s]	1·10 <sup>-9</sup>
Assembly length L min	[mm]	96	Operating temperature	[°C]	20
Assembly length L max	[mm]	76	Bakeout temperature	[°C]	80
Axial stroke	[mm]	20	Total weight	[g]	58
Number of convolutions		8	Spring constant axial	[N/mm]	12
End piece length L1	[mm]	36	Tensile force axial*	[N]	57
End piece length L2	[mm]	36	Resulting force axial**	[N]	541
<b>Materials</b>			* required force to pull to maximum assembly length		
Bellow	316L		** required force to hold on maximum assembly length during evacuation of the inner volume		
End pieces/ Flanges	316L / 304L		Number of cycles	10'000	



**Important note:**

Number of cycles is describing the maximum number of strokes during the life time. Improper installation or use of the bellows out of specifications result in a reduction of life time. Please avoid especially any torsional load and pollution with particles