



Assembly Instructions

Lovejoy Bellows Coupling BWC & BWLC

Carefully follow these instructions for optimum performance and trouble free service.

BWC Series Couplings

Mounting Instructions

1. Check the alignment of shafts to allow for the recommended misalignment for the coupling size to be installed.
2. Ensure that the shaft tolerance is compatible with the bore tolerance of the Bellows coupling.
3. Install and align the coupling on the shafts (see table 3).
4. Tighten the clamping screws for each end of the coupling. Alternate between each screw on either end of the coupling, tightening each one a little at a time until at the recommended tightening torque.
5. Make sure that each screw is tightened to the same amount of torque (see table 1). **DO NOT OVERTIGHTEN!**

Table 1

BWC Series Tightening Torque for Set Screws						
Coupling Size	BWC21	BWC23	BWC26	BWC32	BWC41	BWC47
Fastener Size	M2	M2	M2.5	M3	M4	M4
Tightening Torque of Clamping Screws (in-lbs)	2.7	2.7	7	7	27	27

BWLC Series Couplings

Mounting Instructions

1. Check the alignment of shafts to allow for the recommended misalignment for the coupling size to be installed.
2. Ensure that the shaft tolerance is compatible with the bore tolerance of the Bellows coupling (light lubrication of the shaft is permissible).
3. Lightly tighten the clamping screws and check alignment of the coupling (see table 3).
4. Tighten the clamping screws for each end of the coupling. Alternate between each screw on either end of the coupling, tightening each one a little at a time until at the recommended tightening torque (see table 2).
5. Keyways on the mounting shaft can be ignored; the clamping hub will provide force sufficient enough to secure the coupling.
6. Ensure that the coupling is protected from shifting and movement of the complete assembly (as this can change the alignment of the coupling).
7. Recheck alignment to ensure the coupling is within its rated misalignment (see table 3).

Table 2

BWLC Series Tightening Torque for Clamp Screws										
Coupling Size		BWLC63		BWLC65		BWLC78		BWLC91		
Fastener Size		M5		M6		M8		M10		
Bore Size (inch)	from	0.394	0.787	0.394	0.394	0.551	0.906	0.787	1.102	1.378
	to	0.787	0.984	0.787	0.787	0.906	1.102	1.102	1.378	1.772
Tightening Torque of Clamping Screws (in-lbs)		53	53	133	106	354	267	708	620	443

Table 3

BWC & BWLC Misalignment					
	Angular	Axial		Radial	
Installation	4°	0.059 inches	1.5 mm	0.020 inches	0.5 mm
Operating	1°	0.016 inches	0.4 mm	0.004 inches	0.1 mm

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