

# MINIATURE FAIRLOC® BELLOWS COUPLINGS

# SDPSI

ZERO BACKLASH  
EASY INSTALLATION  
READILY REPOSITIONED

PHONE: 516.328.3300 • FAX: 516.326.8827 • WWW.SDPSI.COM



**➤ MATERIAL:**

- Hubs** - Brass
- Bellows** - Phosphor Bronze
- Socket Head Screws** - 300 Series Stainless Steel
- Finish** - Tin Plate

**➤ MISALIGNMENT COMPENSATION:**

**Max. Lateral Offset:** ± 0.15 mm

**➤ FEATURES:**

- Absorbs end play in shafts
- Allows looser tolerances in mounting components
- Corrects for angular and parallel axis misalignment
- Constant angular velocity
- Dampens vibration and noise
- Fairloc® eliminates marred shafts

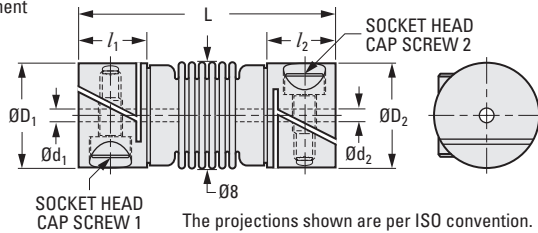
**➤ SPECIFICATION:**

Bore Tolerance: +0.016/0

Fairloc® hubs require controlled shaft tolerances.

Suggested tolerance according to g6, h6, h7.

Other bores, finishes available on special order.



### METRIC COMPONENT

Catalog Number	d <sub>1</sub> Bore H8	d <sub>2</sub> Bore H8	D <sub>1</sub> Hub Dia. ± 0.15	D <sub>2</sub> Hub Dia. ± 0.15	l <sub>1</sub> ± 0.15	l <sub>2</sub> ± 0.15	L Overall Length ± 1.5	Cap Screw 1	Cap Screw 2
S50FP9MFB101008	1	1	8	8	6	6	21.5	M1.6	M1.6
S50FP9MFB101508		1.5							
S50FP9MFB102008		2							
S50FP9MFB103008		3							
S50FP9MFB151508	1.5	1.5	8	8.5	6	6	21.5	M1.6	M1.6
S50FP9MFB152008		2							
S50FP9MFB153008		3							
S50FP9MFB202008		2							
S50FP9MFB203008	2	2	8.5	8.5	7	7	21.5	M1.6	M1.6
S50FP9MFB202008		3							
S50FP9MFB203008		3							
S50FP9MFB303008	3	3	10	10	8	8	24.5	M2	M2

Catalog Number (Ref. Only)	Max. Torque N • m	Max. Angular Offset	Max. Axial Motion	Spring Rate for Axial Deflection (N/mm)	Torsional Deflection @ Max. Load
S50FP9MFB101008	0.11	3°	+0.25 / -0.5	26.6	0.1°
S50FP9MFB101508					
S50FP9MFB102008					
S50FP9MFB103008					
S50FP9MFB151508	0.21	3°	+0.25 / -0.5	26.6	0.2°
S50FP9MFB152008					
S50FP9MFB153008					
S50FP9MFB202008					
S50FP9MFB203008	0.32	3°	+0.25 / -0.5	26.6	0.3°
S50FP9MFB203008					0.4°
S50FP9MFB303008	0.42	3°	+0.25 / -0.5	26.6	0.4°

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