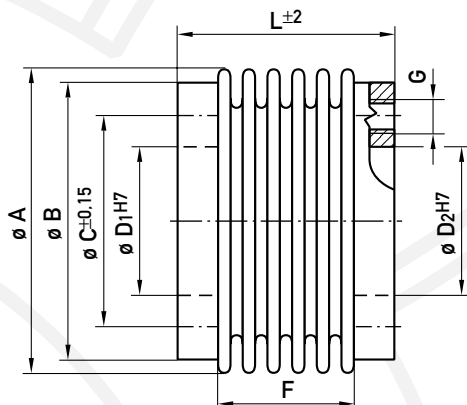


MICROFLEX

BACKLASH-FREE METAL BELLOWS COUPLINGS

Type SB9 for flange mounting



Ordering data

Type	SB9 150/52	50 ^{H7}	50 ^{H7}	XX
Length (L)				
Bore diameter D ₁				
Bore diameter D ₂				
Further details, e.g. special material, keyway 2)				

Technical Data – Type SB9

SIZE		18	30	60	80	150	200	300	500	800	1400	3000	5000
Nominal torque (Nm)	T _{KN}	18	30	60	80	150	200	300	500	800	1400	3000	5000
Torsional stiffness (10 ³ Nm/rad)	C _{T dyn}	8/6	39/26	73/49	126/74	150/101	173/116	499/280	310	758	1266	2800	4800
Radial spring (N/mm)	C _r	204/86	718/222	1125/330	1218/403	2030/601	2531/450	6328/1470	972	512	706	2950	4920
Axial spring (N/mm)	C _a	52/39	48/27	91/53	84/53	147/86	147/85	284/153	86	186	278	310	510
Moment of inertia (10 ⁻³ Kg·m ²)	J	0.05	0.09	0.3	0.67	0.84	1.48	3.75	5.1	10.6	10.6	10.6	62
Weight (kg)		0.2/0.25	0.2/0.3	0.3/0.4	0.6/0.7	0.65/0.75	1.0/1.15	1.6/1.8	1.8	2.9	2.9	2.9	16
Max. approved misalignment													
- radial (mm)		0.2	0.1/0.2	0.1/0.2	0.2/0.2	0.2/0.2	0.2/0.2	0.2/0.2	0.2	0.2	0.2	0.2	0.2
- axial (mm)		0.5	0.4/0.5	0.4/0.50	0.4/0.5	0.4/0.5	0.4/0.5	0.4/0.5	1.0	1.0	1.0	1.0	1.0
- angular (degree)		1.5	1.0/1.5	1.0/1.5	1.0/1.5	1.0/1.5	1.0/1.5	1.0/1.5	1.5	1.5	1.5	1.5	1.5
Maximum rpm		13900	11000	9000	7100	7100	6600	5200	4600	3700	3700	3700	3000

Dimensional Data (mm) – Type SB9

SIZE	18	30	60	80	150	200	300	500	800	1400	3000	5000
L±2	36/44	30/37	41/51	51/61	52/62	51/63	47/67	73	130	130	135	145
∅ A	45	56	66	82	82	90	110	122	157	157	157	208
∅ B	41	52	63	80	80	86	110	122	152	152	152	208
∅ C	31	37	46	62	62	62	80	94	110	110	110	130
∅ D ₁ ^{H7} / ∅ D ₂ ^{H7} 1)	22	28	38	50	50	50	65	70	85	85	85	100
F	24/32	16/24	21/31	24/35	24/36	24/37	28/41	41	87	87	84	94
G	6 x M5	6 x M5	6 x M6	6 x M6	6 x M6	6 x M6	6 x M8	6 x M8	6 x M16	6 x M16	6 x M16	6 x M16
Thread depth	6	7	10	13	13	13	13	16	18	18	22	25

1) Other bore diameters available on request.

2) Stainless steel version also available.