



BELLOWS COUPLING - METRIC

RULAND BELFLEX BELLOWS COUPLING

Belflex™ bellows couplings are an assembly of two aluminium hubs and a uniform, thin walled stainless steel bellows. The use of aluminium hubs with a bellows results in a coupling with very low inertia, a feature that is very important in today's highly responsive systems. The characteristics of bellows make them an ideal method for transmitting torque in motion control applications. The bellows allow the coupling to bend easily under loads caused by the three basic types of misalignment between shafts (angular, parallel, axial motion). Among servo couplings, bellows type couplings are one of the stiffest available, making them ideal in high performance applications that require a high degree of accuracy and repeatability.

Part No.		Max Bore	Power at 100 RPM kW	Nominal Torque (Nm)	Normal Maximum Speed (RPM)
Clamp	Set Screw				
MBC15	MBS15	6.0	0.007	1.25	10000
MBC19	MBS19	8.0	0.012	2.25	10000
MBC25	MBS25	12.0	0.018	3.40	10000
MBC33	MBS33	16.0	0.036	6.80	10000
MBC41	MBS41	20.0	0.073	14.00	10000
MBC51	MBS51	25.0	0.118	22.60	10000

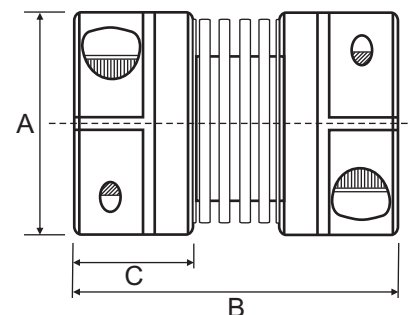
Nominal torque ratings are at maximum misalignment.
 For static torque rating multiply nominal torque by 2.
 This coupling is fully suited to carrying torque up to this rating.
 For reversing applications divide nominal torque by 2.

PERFORMANCE DATA



DIMENSIONAL DATA

Part No.		Bore		A	B	C
Clamp	Set Screw	Min	Max			
MBC15	MBS15	3.0	6.0	15.0	25.0	8.7
MBC19	MBS19	4.0	8.0	19.0	30.0	10.4
MBC25	MBS25	6.0	12.0	25.0	33.0	11.9
MBC33	MBS33	8.0	16.0	33.0	40.0	15.0
MBC41	MBS41	10.0	20.0	41.0	51.0	18.1
MBC51	MBS51	12.0	25.0	51.0	59.0	20.6





BELLOWS COUPLING - INCH

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PERFORMANCE DATA

Part No.		Max Bore	Power at 100 RPM kW	Nominal Torque (Nm)	Normal Maximum Speed (RPM)
Clamp	Set Screw				
BC10	BS10	6.4	0.007	1.24	10000
BC12	BS12	7.9	0.012	2.26	10000
BC16	BS16	12.7	0.018	3.39	10000
BC21	BS21	15.9	0.035	6.78	10000
BC26	BS26	19.1	0.074	14.12	10000
BC32	BS32	25.4	0.118	22.60	10000



Nominal torque ratings are at maximum misalignment.
 For static torque rating multiply nominal torque by 2.
 This coupling is fully suited to carrying torque up to this rating.
 For reversing applications divide nominal torque by 2.

DIMENSIONAL DATA

Part No.		Bore		A	B	C
Clamp	Set Screw	Min	Max			
BC10	BS10	3.2	6.4	15.0	25.4	8.6
BC12	BS12	4.8	7.9	19.1	30.2	10.4
BC16	BS16	6.4	12.7	25.4	33.3	11.9
BC21	BS21	7.9	15.9	33.4	39.7	15.0
BC26	BS26	9.5	19.1	41.3	50.8	18.0
BC32	BS32	12.7	25.4	50.8	58.7	20.6

