



BEAM COUPLING - METRIC

RULAND FLEXBEAM BEAM

Flexbeam™ zero backlash flexible shaft couplings are available with inch and metric bores and outside diameters ranging from 3/8" (6mm) to 1-1/2" (38mm). The Flexbeam series are machined from a single piece of aluminium and feature multiple spiral cuts. Stainless steel available on request.

PERFORMANCE DATA

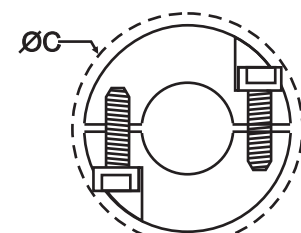
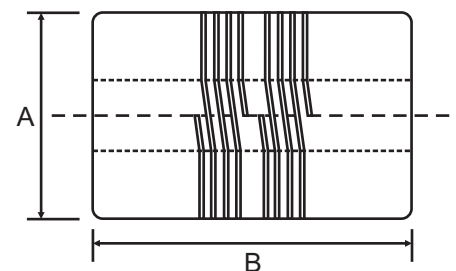
Part No.		Max Bore	Power at 100 RPM kW	Nominal Torque (Nm)		Normal Maximum Speed (RPM)
Clamp	Set Screw			Min Bore	Max Bore	
Flexbeam-3 Beam Coupling						
MFC20	MFS20	8.0	0.008	1.45	1.15	6000
MFC25	MFS25	12.0	0.010	2.00	1.40	6000
MFC30	MFS30	14.0	0.019	3.65	2.35	6000
MFC40	MFS40	16.0	0.032	6.20	5.35	6000
Flexbeam-2 Beam Coupling						
PCMR10	PSMR10	3.0	0.002	0.31	0.31	6000
PCMR13	PSMR13	3.0	0.002	0.45	0.45	6000
PCMR16	PSMR16	5.0	0.004	0.85	0.68	6000
PCMR19	PSMR19	6.0	0.008	1.47	0.79	6000
PCMR22	PSMR22	8.0	0.006	1.13	0.91	6000
PCMR25	PSMR25	9.0	0.011	2.04	1.70	6000
PCMR29	PSMR29	12.0	0.014	2.66	1.92	6000
PCMR32	PSMR32	12.0	0.020	3.84	2.94	6000
MWC15	MWS15	5.0	0.002	0.43	0.41	6000
MWC20	MWS20	6.0	0.003	0.65	0.58	6000
MWC25	MWS25	10.0	0.009	1.71	1.55	6000
MWC30	MWS30	12.0	0.018	3.45	3.30	6000

Ratings are for aluminium.
For static torque rating multiply nominal torque by 2.
This coupling is fully suited to carrying torque up to this rating.



DIMENSIONAL DATA

Part No.		Bore		A	B	B	C
Clamp	Set Screw	Min	Max		MFC	MFS	MFC
Flexbeam-3 Beam Coupling							
MFC20	MFS20	5.0	8.0	20.0	30.0	30.0	22.8
MFC25	MFS25	6.0	12.0	25.0	40.0	40.0	30.2
MFC30	MFS30	8.0	14.0	30.0	45.0	45.0	34.9
MFC40	MFS40	10.0	16.0	40.0	55.0	55.0	45.6
Flexbeam-2 Beam Coupling							
					PCMR	PSMR	
PCMR10	PSMR10	3.0	3.0	9.5	14.3	14.3	
PCMR13	PSMR13	3.0	3.0	12.7	19.1	19.1	
PCMR16	PSMR16	3.0	5.0	15.9	20.3	20.3	
PCMR19	PSMR19	3.0	6.0	19.1	22.9	22.9	
PCMR22	PSMR22	5.0	8.0	22.2	27.0	27.0	
PCMR25	PSMR25	6.0	9.0	25.4	31.8	31.8	
PCMR29	PSMR29	6.0	12.0	28.6	38.1	38.1	
PCMR32	PSMR32	6.0	12.0	31.8	38.1	38.1	
					MWC	MWS	
MWC15	MWS15	3.0	5.0	15.0	22.0	20.0	
MWC20	MWS20	4.0	6.0	20.0	28.0	20.0	
MWC25	MWS25	6.0	10.0	25.0	30.0	24.0	
MWC30	MWS30	8.0	12.0	30.0	38.0	30.0	



MFC Type



BEAM COUPLING - INCH

RULAND FLEXBEAM BEAM

Flexbeam™ zero backlash flexible shaft couplings are available with inch and metric bores and outside diameters ranging from 3/8" (6mm) to 1-1/2" (38mm). The Flexbeam series are machined from a single piece of aluminium and feature multiple spiral cuts. Stainless steel available on request.

PERFORMANCE DATA



Clamp	Part No.		Max Bore	100 RPM* kW	Nominal Torque (Nm)		Normal Maximum Speed (RPM)
	Set Screw				Min Bore	Max Bore	
Flexbeam-3 Beam Coupling							
FCR10	FSR10		6.4	0.004	0.73	0.73	6000
FCR12	FSR12		7.9	0.008	1.47	1.13	6000
FCR16	FSR16		9.5	0.010	1.98	1.86	6000
FCR20	FSR20		12.7	0.021	3.95	2.82	6000
FCR24	FSR24		19.1	0.035	6.78	4.52	6000
Flexbeam-2 Beam Coupling							
PCR6	PSR6	ISR6	2.4	0.002	0.31	0.31	6000
PCR8	PSR8	ISR8	3.2	0.002	0.45	0.45	6000
PCR10	PSR10	ISR10	4.8	0.004	0.85	0.68	6000
PCR12	PSR12	ISR12	6.4	0.008	1.47	0.79	6000
PCR14	PSR14	ISR14	7.9	0.006	1.13	0.90	6000
PCR16	PSR16	ISR16	9.5	0.011	2.03	1.69	6000
PCR18	PSR18	ISR18	12.7	0.014	2.66	1.92	6000
PCR20	PSR20	ISR20	12.7	0.020	3.84	2.94	6000

Ratings are for aluminium.
For static torque rating multiply nominal torque by 2.
This coupling is fully suited to carrying torque up to this rating.

DIMENSIONAL DATA

Clamp	Part No.		Bore		A	B	B	C
	Set Screw		Min	Max				
Flexbeam-3 Beam Coupling								
						FCR	FSR	FCR
FCR10	FSR10		4.8	6.4	15.9	25.4	25.4	20.2
FCR12	FSR12		4.8	7.9	19.1	31.8	31.8	22.3
FCR16	FSR16		6.4	9.5	25.4	38.1	38.1	28.4
FCR20	FSR20		7.9	12.7	31.8	44.5	44.5	37.1
FCR24	FSR24		9.5	19.1	38.1	57.2	57.2	41.7
Flexbeam-2 Beam Coupling								
						PCR/PSR	ISR	
PCR6	PSR6	ISR6	2.4	2.4	9.5	14.3	9.5	
PCR8	PSR8	ISR8	2.4	3.2	12.7	19.1	12.7	
PCR10	PSR10	ISR10	3.2	4.8	15.9	20.3	15.9	
PCR12	PSR12	ISR12	3.2	6.4	19.1	22.9	19.1	
PCR14	PSR14	ISR14	4.8	7.9	22.2	27.0	22.2	
PCR16	PSR16	ISR16	6.4	9.5	25.4	31.8	25.4	
PCR18	PSR18	ISR18	6.4	12.7	28.6	38.1	28.6	
PCR20	PSR20	ISR20	6.4	12.7	31.8	38.1	31.8	

