

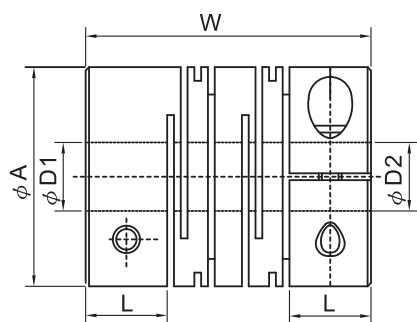
MFC/MFCS-C Flex couplings



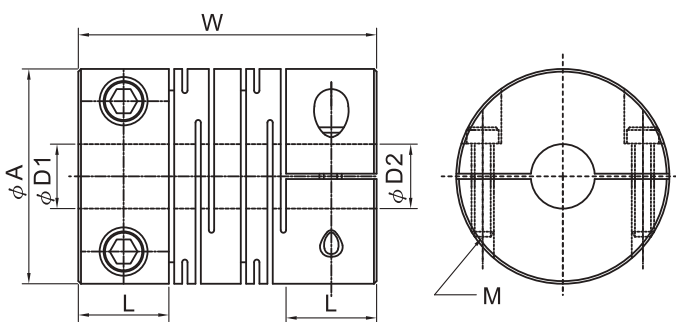
- MFC-C Outside dia : $\phi 16 \sim \phi 50$ Body : Aluminum alloy
- MFC-C Outside dia : $\phi 16 \sim \phi 50$ Body : Stainless steel

features/特性

- 完美單一本體，搖性聯軸器
Ideal one-body metallic spring flexible couplings
- 零間隙
Zero backlash
- 藉由彈性作用，完美吸收軸偏移、角偏差軸端部位差
Complete absorption of eccentricity angularity, and end-play by spring action.
- 高扭力、高負荷
High torsional stiffness and response
- 可正逆轉特性
Identical clockwise and anticlockwise rotational characteristics
- 免保養、抗油、抗化學性
Maintenance-free, oil and chemical resistant
- 夾鉗式固定
clamp type
- MFC-C本體：鋁合金材質
MFC-C Body : Extra Super Duralumin
- MFCS-C本體：不鏽鋼材質
MFCS-C Body : Stainless steel



外徑 $\phi 16 \sim \phi 32$



外徑 $\phi 40 \sim \phi 50$

規格/SPECIFICATION

Product 產品編號	Rated Torque 常用扭矩 (N.m)	Max. Torque 最大扭矩 (N.m)	Max. Rotational Frequency 最高迴轉數 (min ⁻¹)	Moment* of Inertia 慣性 (kg.m ²)	Error of Eccentricity 容許偏心量 (mm)	Error of Angularity 容許角偏差 (°)	Error of Shaft End-play 容許軸向位差 (mm)	Mass** 質量 (g)	A	L	W	Stock Bores 標準孔徑 D1xD2(公差H8)		M
												Min D1	MAX D2	
MFC-16C	0.3	0.6	9500	3.5×10^{-7}	0.10	2°	±0.4	9.1	16	6.5	23	5	6	M2.5
MFC-20C	0.5	1.0	7600	8.7×10^{-7}	0.10	2°	±0.4	16.5	20	7.5	26	5	8	M2.5
MFC-25C	1.1	2.2	6100	2.2×10^{-6}	0.15	2°	±0.5	29	25	8.5	31	5	10	M3
MFC-32C	2.0	4.0	4800	9.1×10^{-5}	0.15	2°	±0.5	67	32	12	41	6	14	M4
MFC-40C	5.0	10.0	3800	2.9×10^{-4}	0.20	2°	±0.5	138	40	17	56	8	16	M5
MFC-50C	10.0	20.0	3100	1.3×10^{-4}	0.20	2°	±0.5	260	50	21	71	12	18	M6
MFCS-16C	0.5	1.0	9500	9.2×10^{-7}	0.10	2°	±0.3	27	16	6.5	23	5	6	M2.5
MFCS-20C	1.0	2.0	7600	2.5×10^{-6}	0.10	2°	±0.3	45	20	7.5	26	5	8	M2.5
MFCS-25C	2.1	4.2	6100	7.4×10^{-6}	0.15	2°	±0.4	87	25	8.5	31	5	10	M3
MFCS-32C	3.5	7.0	4800	2.7×10^{-5}	0.15	2°	±0.5	180	32	12	41	6	14	M4
MFCS-40C	8.0	16.0	3800	9.0×10^{-5}	0.20	2°	±0.5	350	40	17	56	8	16	M5
MFCS-50C	15.0	30.0	3100	2.7×10^{-4}	0.20	2°	±0.5	730	50	21	71	12	18	M6

*Max. Bore Moment of Inertia/最大孔徑時慣性矩

*Max. Bore Mass/最大孔徑時質量

Product No:

MFC-25C- $\phi 8 \times \phi 10$
D1 D2

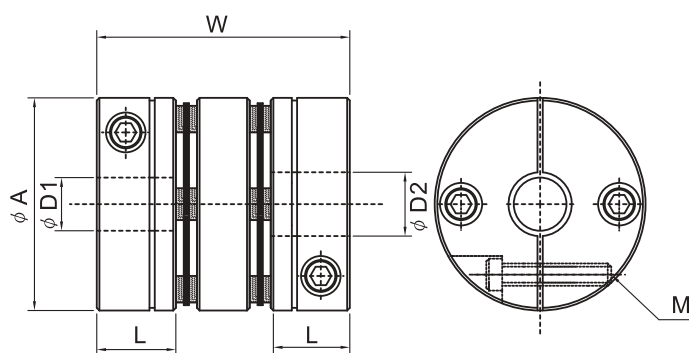
MHC-C Flex couplings



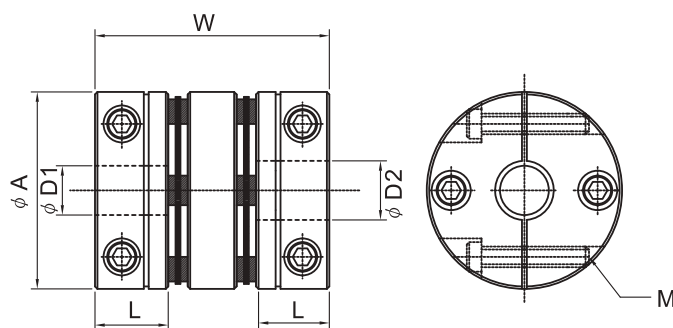
■ MHC-C Outside dia: $\Phi 27 \sim \Phi 45$ Body: Aluminum alloy

features/特性

- 一體化設計，安裝簡單
Ideal one-body design simple and fast assembly
- 高剛性，高扭矩
High rigidity, high torque
- 低慣性、無背隙
Low moment of inertia backlash-free
- 適於中小型伺服馬達精密、定位傳動
Suitable to small servo system exact transmission
- 具伸縮緩衝及抗震功能
With function of flexibility and vibration resistance
- 免保養、壽命長
Long service life maintenance-free
- 夾鉗式固定
Clamp type
- MHC-C本體：鋁合金材質



外徑 $\phi 27 \sim \phi 35$



外徑 $\phi 40 \sim \phi 95$

規格/SPECIFICATIONS

Unit:mm

Product 產品編號	Rated Torque 常用扭矩 (N.m)	Max. Torque 最大扭矩 (N.m)	Max.Rotational Frequency 最高迴轉數 (min ⁻¹)	Moment* of Inertia 慣性 (kg.m ²)	Error of Eccentricity 容許偏心量 (mm)	Error of Angularity 容許角偏差 (°)	Mass** 質量 (g)	A	L	W	Stock Bores 標準孔徑 D1xD2(公差H8)		M
											Min D1	MAX D2	
MHC-27C	1.8	3.6	10000	3.0×10^{-6}	0.15	2°	35	27	11	35	5	10	M3
MHC-35C	4.0	8.0	10000	10.5×10^{-6}	0.17	2°	62	35	12	38	6	14	M3
MHC-40C	7.0	14.0	10000	26×10^{-6}	0.22	2°	116	40	15	48	8	16	M4
MHC-45C	10.0	20.0	10000	38×10^{-6}	0.22	2°	131	45	15	48	10	19	M4
MHC-50C	16.0	32.0	10000	88×10^{-6}	0.24	2°	220	50	20	62	12	22	M5
MHC-57C	26.0	52.0	10000	142.5×10^{-6}	0.27	2°	310	57	20	62	12	25	M5
MHC-68C	62.0	124.0	10000	376×10^{-6}	0.35	2°	565	68	24	74	14	32	M6
MHC-82C	100.0	200.0	10000	1080×10^{-6}	0.55	2°	1300	82	30	98	19	35	M8
MHC-95C	180.0	360.0	10000	1940×10^{-6}	0.55	2°	1500	95	30	98	22	45	M8

*Max.Bore Moment of Inertia/最大孔徑時慣性矩

**Max.Bore Mass/最大孔徑時質量

Product No:
MHC-35C- $\frac{\phi 8}{D1} \times \frac{\phi 10}{D2}$

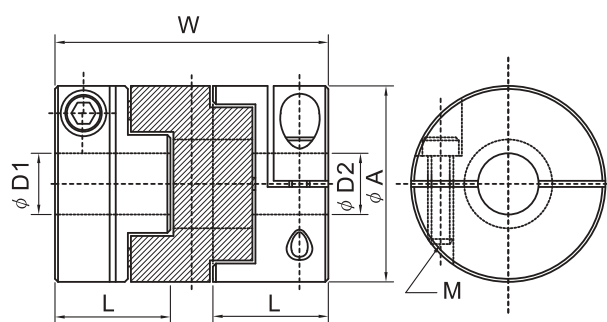
MFL-C Flex couplings



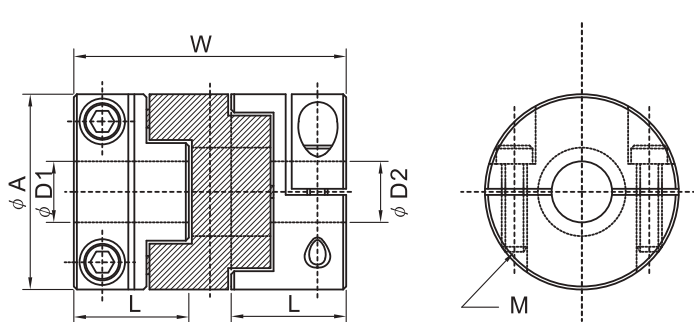
■ MFL-C Outside dia : $\phi 16 \sim \phi 50$ HUB : Aluminum alloy

features/特性

- 藉殼和間隔環的滑動，取得一極大允許偏心率及角偏度差
Slippage of hub and spacer enables high allowable eccentricity and angularity
- 軸負荷小
Minimized load on shafts
- 高扭力元件，高靈敏反應
High torsional stiffness and excellent response
- 簡單設計、容易組裝
Simple configuration enables easy assembly
- 免保養、優異抗油性和絕緣性
Maintenance-free excellent resistance to oil and electrical insulation
- 標準品附有不同孔徑
Standardized models with different finished bores
- 夾鉗式固定
Clamp type
- MFL-C本體：鋁合金材質
MFL-C Body : Aluminum alloy



外徑 $\phi 16 \sim \phi 32$



外徑 $\phi 40 \sim \phi 50$

規格/SPECIFICATION

Unit:mm

Product 產品編號	Rated Torque 常用扭矩 (N.m)	Max. Torque 最大扭矩 (N.m)	Max.Rotational Frequency 最高迴轉數 (min ⁻¹)	Moment* of Inertia 慣性 (kg.m ²)	Error of Eccentricity 容許偏心率 (mm)	Error of Angularity 容許角偏差 (°)	Mass** 質量 (g)	A	L	W	Stock Bores 標準孔徑 D1xD2(公差H8)		M
											Min D1	MAX D2	
MFL-16C	0.7	1.4	9500	5.0×10^{-7}	1.0	3°	11.5	16	13	29	5	6	M2.5
MFL-20C	1.2	2.4	7600	1.3×10^{-6}	1.5	3°	19	20	14	33	5	8	M2.5
MFL-25C	2.0	4.0	6100	3.9×10^{-6}	2.0	3°	36	25	17	39	5	10	M3
MFL-32C	4.5	9.0	4800	1.2×10^{-5}	2.5	3°	68	32	19	45	6	14	M4
MFL-40C	9.0	18.0	3800	3.5×10^{-5}	3.0	3°	130	40	23	50	10	16	M5
MFL-50C	18.0	36.0	3100	1.0×10^{-4}	3.5	3°	230	50	27	58	12	20	M6

*Max.Bore Moment of Inertia/最大孔徑時慣性矩

*Max.Bore Mass/最大孔徑時質量

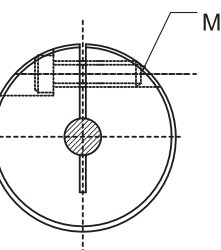
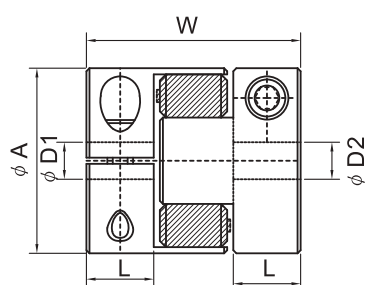
Product No:
MFL-25C- $\frac{\phi 8}{D1} \times \frac{\phi 10}{D2}$

MTC-C Flex couplings

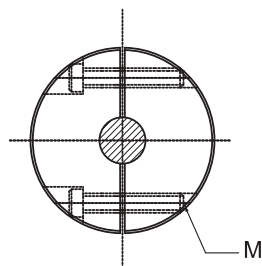
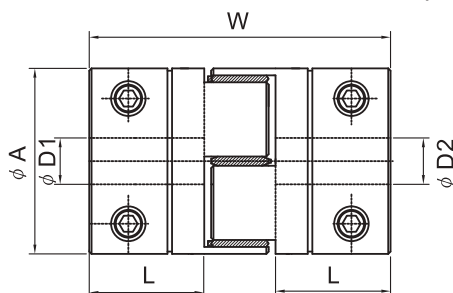


Features/特性

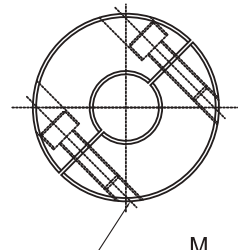
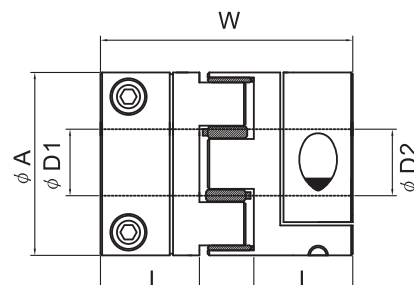
- 高扭力、高負荷
High torsional stiffness and response
- 可正逆轉特性
Identical clockwise and anticlockwise rotational characteristics
- 低慣性、無背隙
Low moment of inertia backlash-free
- 適於中小型伺服馬達精密、定位傳動
Suitable to small servo system exact transmission
- 免保養、壽命長
Long service life maintenance-free
- 夾鉗式固定
Clamp type
- MTC-C本體：鋁合金材質
MTC-C Body : Aluminum alloy



外徑 $\phi 20 \sim \phi 30$



外徑 $\phi 40$



外徑 $\phi 55 \sim \phi 65$

規格/SPECIFICATION

Unit:mm

Product 產品編號	Rated Torque 常用扭矩 (N.m)	Max. Torque 最大扭矩 (N.m)	Max.Rotational Frequency 最高迴轉數 (min ⁻¹)	Moment* of Inertia 慣性 (kg.m ²)	Error of Eccentricity 容許偏心率 (mm)	Error of Angularity 容許角偏差 (°)	Mass** 質量 (g)	A	L	W	Stock Bores 標準孔徑 D1xD2(公差H8)		M
											Min D1	MAX D2	
MTC-20C-RD	5.0	10.0	7600	1.1×10^{-6}	0.1	1°	19	20	10	30	5	8	M2.5
MTC-30C-RD	12.5	25.0	5100	6.2×10^{-6}	0.1	1°	50	30	11	35	6	14	M4
MTC-40C-RD	17.0	34.0	3800	3.9×10^{-5}	0.1	1°	160	40	25	66	8	19	M5
MTC-55C-RD	60.0	120.0	2800	1.6×10^{-4}	0.1	1°	330	55	30	78	10	25	M6
MTC-65C-RD	160.0	320.0	2350	3.8×10^{-4}	0.1	1°	560	65	35	90	12	35	M8

*Max.Bore Moment of Inertia/最大孔徑時慣性矩

*Max.Bore Mass/最大孔徑時質量

Product No:

MTC-30C-RD $\frac{\phi 8}{D1} \times \frac{\phi 10}{D2}$