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Golden Bridge

JINAN GOLDEN BRIDGE PRECISION MACHINERY CO., LTD

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Outline of Coupling Installation

Shaft Coupling

A coupling is a mechanical part that connects two shafts (driving shaft and driven shaft) in different mechanisms to make them rotate together to transmit torque or rotation angle.

The coupling compensates the displacement between the two shafts, and has the ability to absorb vibration and ease the impact. Even if an abnormal force is applied to the rotating shaft during operation, the coupling will be damaged first, thereby protecting.

The role of the motor.

Coupling Selection

1. Although the coupling is a mechanical part that transmits torque and rotation angle, each has its own fixed features. Therefore, in the selection process, the necessary characteristics during use must be fully considered to select a suitable coupling.
2. After deciding on the selection, refer to the dimensions and technical parameters of this product catalog to determine its model.
3. Please confirm whether the external dimensions of the selected model, shaft diameter, rated torque, and allowable speed in the technical parameters meet the installation conditions.

Calculation of Torque

1. Calculation of the torque that the coupling bears.
Calculate the torque [Ta] of the coupling from the power of the driving machine (motor) [KW] and the speed of the coupling [n]

$$Ta(N\cdot m)=9550\times\frac{KW}{n(r/min)}$$

2. Calculation of compensation torque.
Calculate the compensation torque applied to the coupling according to the use and operating conditions, etc.

$$Ta\quad[N\cdot m]=Ta\cdot K1\cdot K2\cdot K3\cdot K4$$

Load Property Factor (K1)			
Normal	Change: Small	Change: Middle	Change: Large
1.0	1.25	1.75	2.25

Ambient Temperature Coefficient (K3)						
Times /Hour	~10	~30	~60	~120	~240	Exceed 240
K3	1.0	1.1	1.3	1.5	2.0	2.5≤

Motion Time Factor (K2)			
Hour/Day	-8	-16	-24
K2	1.0	1.12	1.25

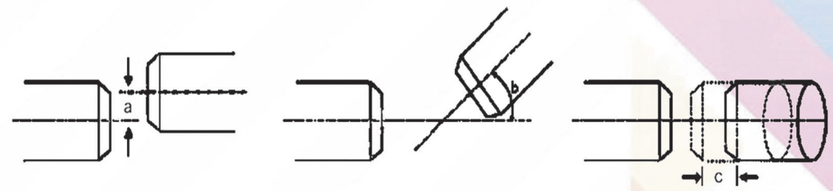
Ambient Temperature Coefficient (K4)				
Temperature【℃】	-30~+30	~+40	~+60	~+80
K4	1.0	1.2	1.4	1.8

Coupling Installation

1. When installing the coupling, be sure to carry out strict calibration and adjustment. It is recommended to use the method of concave-convex fit for two-axis alignment, or use a square to stick to the outer periphery of the body, and use two points separated by about 90° to check , to determine the concentricity of the coupling, otherwise the service life of the coupling will be greatly affected according to the centering accuracy.
2. In order to avoid accidents during installation, please be sure to cut off the main power supply of the drive device and confirm safety before installation.
3. When installing the coupling, please remove the dust and foreign matter attached to the installation shaft and the aperture surface of the coupling.
4. In order to give full play to the performance of the coupling, when there are two or more deviation values at the same time during the installation process, the allowable value during type selection should be considered below half.

Description of deviation in coupling installation

1 Radial misalignment　　2 Angular misalignment　　3 Axial misalignment



Motor technical parameters

Servo motor parameter table

Rated Power (KW)	Rated Speed (Min)	Rated Torque (N.m)	Allowable Torque (N.m)	Shaft Diameter(mm)
0.05	3000	0.16	0.48	8
0.1	3000	0.32	0.95	8
0.2	3000	0.64	1.9	14
0.4	3000	1.30	3.8	14
0.5	2000	2.39	7.16	24
0.5	3000	1.59	4.77	24
0.75	2000	3.58	10.7	22
0.75	3000	2.40	7.2	19
0.85	1000	8.12	24.4	24
1	2000	4.78	14.4	24
1	3000	3.18	9.55	24
1.2	1000	11.50	34.4	35
1.5	2000	7.16	21.6	28
1.5	3000	4.78	14.3	24
2	2000	9.55	28.5	35
2	3000	6.37	15.9	24
3	1000	28.60	85.9	35
3.5	2000	16.70	50.1	35
3.5	3000	11.10	27.9	28
5	2000	23.90	71.6	35
5	3000	15.90	39.7	28
7	2000	33.40	100	35

◆The above table is a simple calculation based on the allowable transmission torque of the corresponding servo shaft and coupling when using the clamping type, and it is not a guaranteed value for use without backlash.

◆The above table shows the general servo motor specifications. The torque characteristic of the servo motor varies according to the servo motor manufacturer, so please check the manufacturer's catalog to use the size of the coupling.

General motor parameter table

Motor		50Hz:3000min 60Hz:3000min		50Hz:1500min 60Hz:1800min		50Hz:1000min 60Hz:1200min	
		Bipolar Motor		Four Pole Motor		Six Pole Motor	
Output (KW)	Frequency (HZ)	Shaft Diameter (mm)	Torque (N.m)	Shaft Diameter (mm)	Torque (N.m)	Shaft Diameter (mm)	Torque (N.m)
0.1	50			11	0.7		
	60			11	0.5		
0.2	50	11	0.7	11	1.3		
	60	11	0.5	11	1.1		
0.4	50	14	1.3	14	2.6	19	3.9
	60	14	1.1	14	2.2	19	3.2
0.75	50	19	2.4	19	4.9	24	7.3
	60	19	2	19	4.1	24	6.1
1.5	50	24	4.9	24	9.7	28	15
	60	24	4.1	24	8.1	28	12
2.2	50	24	7.1	28	14	28	21
	60	24	6	28	12	28	18
3.7	50	28	12	28	24	38	36
	60	28	10	28	20	38	30
5.5	50	38	18	38	36	38	54
	60	38	15	38	30	38	45
7.5	50	38	24	38	49	42	72
	60	38	20	38	41	42	60
1.1	50	42	36	42	71	42	108
	60	42	30	42	59	42	90
15	50	42	49	42	97		
	60	42	42	42	81		
18.5	50	42	65				
	60	42	50				

◆The above table shows the suitable size of the key and set screw type that are generally used for the general-purpose motor drive unit, and does not indicate the selection of the no-gap specification.

◆Motor speed and output torque are calculated values (reference values).

Fixing methods of Commonly used coupling

Set screw direct fixing type
Low cost, most conventional connection method. However, since the tip of the screw is in direct contact with the shaft, it may damage the shaft or make it difficult to remove. Attention please.

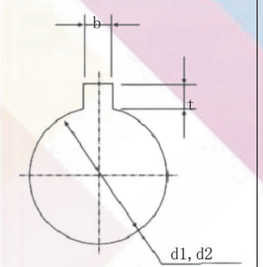
Clamping screw fixed type
The slit is contracted by the force of the countersunk head screw, and the shaft is tightly clamped. Easy and simple installation and removal without damaging the shaft.

Clamping screw separate type
Because the bushing can be completely separated, it can be fixed without moving your position, and it is easy to remove. In addition, there will be no damage to the shaft.

Set screw keyway type
It is the same traditional fixing method as the screw direct fixing type. The transmission suitable for higher torque is to prevent axial movement, and it is usually directly fixed with screws. Clamp type can be used together.

Expansion sleeve locking type
A connection method that utilizes the magnification effect of the tapered hypotenuse achieves a reliable and stable connection. Suitable for high torque transmission, suitable for the spindle of machine tools.

Commonly used hole diameter corresponds to keyway size

Shaft diameter	Keyway standard processing size				Keyway size	Keyway processing standard drawing
d1/d2	b		t		(bXh)	
	Slotting width	Tolerance	Slotting depth	Tolerance		
φ6~φ7.9	2	±0.0125	1.0	+0.10	2×2	
φ8~φ10	3		1.4		3×3	
φ10.1~φ12	4	±0.0150	1.8		4×4	
φ12.1~φ17	5		2.3		5×5	
φ17.1~φ22	6		2.8		6×6	
φ22.1~φ30	8	±0.0180	3.3	+0.20	8×7	
φ30.1~φ38	10		3.3		10×8	
φ38.1~φ44	12	±0.0215	3.3		12×8	
φ44.1~φ50	14		3.8		14×9	
φ50.1~φ58	16		4.3		16×10	
φ58.1~φ65	18		44		18x11	

Safety Precautions

Danger In order to use this product safely, please read the "Safety Precautions" carefully before use

Misuse may result in serious injury or even death

- Please install a protective cover to surround the rotating parts such as couplings on the device. Hands or fingers will be injured if they touch the product in motion.
- In order to avoid danger, protective devices must be installed.
- When installing or disassembling the product, please cut off the power
- Screws (hexagon socket kimmy screws or hexagon socket cup head screws) should be properly tightened with a screwdriver, wrench or torque wrench.
- Do not exceed the allowable rotational speed of the product.
- Please do not disassemble or modify the product.

Notice

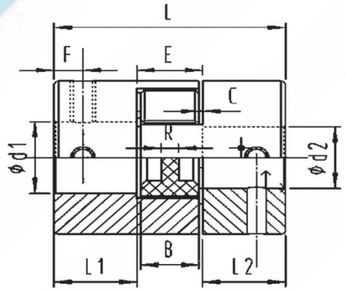
If used incorrectly, it may cause injury to people and objects or property damage.

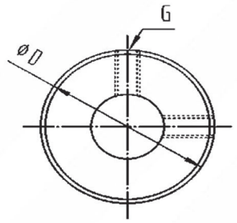
- Please use within the tolerance range. Working outside the allowable range of deviation, the coupling itself will be damaged, and may have an adverse effect on peripheral related devices.
- When selecting a coupling, please note that the load torque generated by continuous operation is lower than the rated torque. Otherwise the coupling will be damaged and may have an adverse effect on surrounding related devices.
- Be sure to use our designated hexagon socket head cap screws or hexagon socket head cup head screws.
- Please do not use it in an environment that will adversely affect the product.
- If abnormal noise or vibration occurs during operation, please stop the operation immediately, check the deviation, whether the shafts are in contact with each other or the screws are loose, etc.
- If you use a device with a large load fluctuation, you can use an adhesive to prevent the screw from loosening on the screw, or use a coupling of the next size.
- When disposing of it, in order to avoid damage to the environment, please send it to a specialized waste recycling company.
- Please do not touch the product immediately after the operation stops. The temperature on the surrounding devices may be transferred to the product, making the product very hot, and touching it may cause high temperature injury.

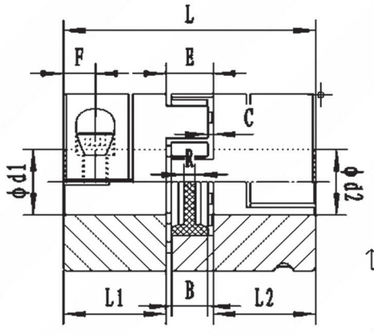
特性 Features

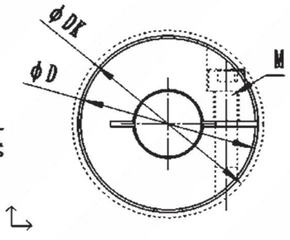
>轴套采用45#钢制成
>零回转间隙，适用于正反转
>胶体采用聚氨脂制成，有良好的耐磨性耐油性和电气绝缘性
>中间弹性体可吸收振动，补偿径向，角向和轴向偏差
>可拆式设计，便于安装
>夹紧螺丝紧固方式

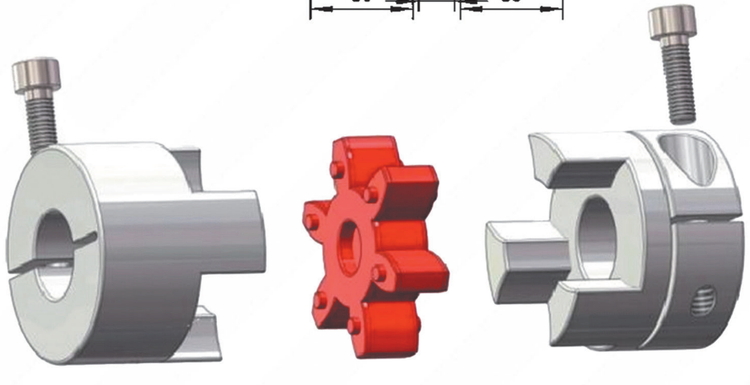
>Bushings made of 45# steel
>Zero backlash,suitable for positive and negative rotation
> Colloid using TPU,with good abrasion resistance oil resistance and electrical Insulation
>Elastomers absorb vibrations and compensate for radial,angular and axial misalignments
>Detachable design,Easy installation
>Clamping screw type











型号举例 Model example

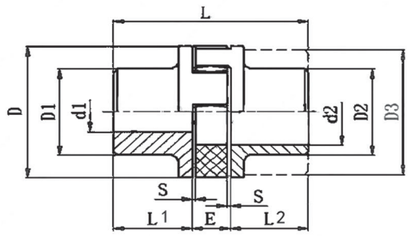
JMCS - □□×□□ - □□ × □□
系列号 外径 长度 d1轴径 d2轴径
Series Diameter Lenght d1Bore d2Bore
例：JMCS - 95 × 126 - 55 × 50
J:Golden Bridge(金桥通)
M:Jaw Spider (梅花型)
C:Clamp (夹紧固定)
S:Steel(45# 钢)
95:Outer Diameter(外径尺寸)
126:Length(总长度)
55:d1 inner bore(d1轴径尺寸)
50:d2 inner bore(d2轴径尺寸)
说明：如果需要另加键槽，则以非标形式定做请在型号轴径尺寸后加K,
例：JMCS-95×126-55K×50K, 则表示两内孔都开键槽。

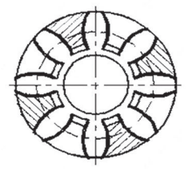
型号 Model	孔径 Inner bore				D	L	L1	L2	F	E	B	C	R	DK	G	M	Tightening torque 拧紧力矩 (N.M)
	d1		d2														
	最小 Min	最大 Max	最小 Min	最大 Max													
JMS14	3	7	3	7	14	22.0	7.0	7.0	3.5	8.0	6.0	1.0	贯通	14	M3		0.7
JMCS14	3	6	3	6	14	22.0	7.0	7.0	3.5	8.0	6.0	1.0	贯通	17.2	—	M2.5	0.5
JMS16	3	7	3	7	16	22.0	7.0	7.0	3.5	8.0	6.0	1.0	贯通	16	M3	—	0.7
JMCS16	3	7	3	7	16	22.0	7.0	7.0	3.5	8.0	6.0	1.0	贯通	19.2	—	M2.5	0.5
JMS20	4	10	4	10	20	30.0	10.0	10.0	5.0	10.0	8.0	1.0	1.2	20	M4		1.7
JMCS20	4	10	4	10	20	30.0	10.0	10.0	5.0	10.0	8.0	1.0	1.2	24	—	M3	1.5
JMS25	4	12	4	12	25	34.0	11.0	11.0	5.0	12.0	10.0	1.0	2.0	25	M4	—	1.7
JMCS25	4	12	4	12	25	34.0	11.0	11.0	5.0	12.0	10.0	1.0	2.0	26.5	—	M3	1.5
JMS30	5	16	5	16	30	35.0	11.0	11.0	5.0	13.0	10.0	1.5	2.0	30	M4	—	1.7
JMCS30	5	16	5	16	30	35.0	11.0	11.0	5.0	13.0	10.0	1.5	2.0	31.4		M3	1.5
JMS40	6	24	6	24	40	66.0	25.0	25.0	10.0	16.0	12.0	2.0	4.0	40	M5	—	4.0
JMCS40	6	24	6	24	40	66.0	25.0	25.0	12.0	16.0	12.0	2.0	4.0	47	—	M5	8.0
JMS55	8	28	8	28	55	78.0	30.0	30.0	10.0	18.0	14.0	2.0	4.0	55	M5		4.0
JMCS55	8	28	8	28	55	78.0	30.0	30.0	10.5	18.0	14.0	2.0	4.0	60	—	M6	8.0
JMS65	10	38	10	38	65	90.0	35.0	35.0	15.0	20.0	15.0	2.5	4.0	65	M8		15.0
JMCS65	10	38	10	38	65	90.0	35.0	35.0	11.5	20.0	15.0	2.5	4.0	72		M8	16.0
JMS80	12	45	12	45	80	114.0	45.0	45.0	15.0	24.0	18.0	3.0	4.0	80	M8		15.0
JMCS80	12	45	12	45	80	114.0	45.0	45.0	15.5	24.0	18.0	3.0	4.0	80		M8	16.0
JMS95	14	55	14	55	95	126.0	50.0	50.0	20.0	26.0	20.0	3.0	贯通	95	M8		15.0
JMCS95	14	55	14	55	95	126.0	50.0	50.0	18.0	26.0	20.0	3.0	贯通	95	—	M10	40
JMS105	15	62	15	62	105	140.0	56.0	56.0	20.0	28.0	21.0	3.5	贯通	105	M8	—	15.0
JMCS105	15	62	15	62	105	140.0	56.0	56.0	21.0	28.0	21.0	3.5	贯通	105	—	M12	115
JMS120	20	74	20	74	120	160.0	65.0	65.0	20.0	30.0	22.0	4.0	贯通	120	M10		32
JMCS120	20	74	20	74	120	160.0	65.0	65.0	26.0	30.0	22.0	4.0	贯通	120		M12	115
JMS135	22	80	22	80	135	185.0	75.0	75.0	20.0	35.0	26.0	4.5	贯通	135	M10		32
JMCS135	22	80	22	80	135	185.0	75.0	75.0	33.0	35.0	26.0	4.5	贯通	135	—	M12	115

特性 Features

- 中间弹性体联接
- 可吸收振动，补偿径向、角向和轴向偏差
- 两种不同硬度弹性体
- 顺时与逆时针回转特性完全相同
- 联轴器体为钢材，适合大扭矩传动
- 采用键槽联接

- Intermediate elastic connection
- Absorbs vibrations and compensates for radial, angular and axial misalignments
- Two kinds of elastic bodies with different hardness
- The characteristics of clockwise and anticlockwise rotation are exactly the same
- Coupling body is made of steel, suitable for high torque transmission
- Keyway connection





型号举例 Model example

JMDS-□□×□□ - □□×□□
系列号 外径 长度 d1轴径 d2轴径

Series Diameter Lenght d1Bore d2Bore
例：JMDS - 95 × 126 - 55 × 50
J:Golden Bridge(金桥通)
M:Jaw Spider (梅花型)
D:Clamp (顶紧固定)
S:Steel(45# 钢)
95:Outer Diameter(外径尺寸)
126:Length(总长度)
55:d1 inner bore(d1轴径尺寸)
50:d2 inner bore(d2轴径尺寸)
说明：如果需要另加键槽，则以非标形式定做请在型号轴径尺寸后加K,
例：JMCS-95×126-55K×50K, 则表示两内孔都开键槽。

参数Parameter

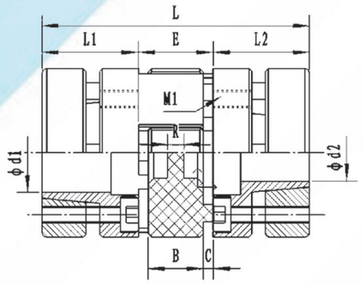
型号 Type	D mm	L mm	轴孔直径 Diameterof the shaft hole d1、d2mm	轴孔长度 engthof the shaft hole L mm	D1 (D2) mm	D2 mm	E mm	S mm	重量 Weight kg	公称扭矩 Nominal torsion N.m
JMDS-40*66	40	66	6-25	25	32	40	16	2	0.328	17
JMDS-55*78	55	78	8-35	30	40	55	18	2	0.68	60
JMDS-65*90	65	90	10-40	35	48	65	20	2.5	1.16	160
JMDS-80*114	80	114	12-48	45	66	78	24	3	2.27	325
JMDS-95*126	95	126	14-55	50	75	94	26	3	3.57	450
JMDS-105*140	105	140	15-60	56	85	104	28	3.5	4.80	525
JMDS-120*160	120	160	20-70	65	98	118	30	4	7.87	685
JMDS-135*185	135	185	22-75	75	115	134	35	4.5	10.89	940
JMDS-160*210	160	210	30-90	85	135	158	40	5	17.73	1920
JMDS-200*245	200	245	40-100	100	160	180	45	5.5	29.60	3600
IMDS-225*270	225	270	50-110	110	180	200	50	6	43.0	4950
JMDS-255*295	255	295	60-125	120	200	230	55	6.5	58.6	7200
JMDS-290*340	290	340	60-145	140	230	265	60	7	88.4	10000
JMDS-320*375	320	375	60-165	155	256	300	65	7.5	120.8	12800
JMDS-370*425	370	425	80-190	175	290	345	75	9	179.1	19200
JMDS-420*475	420	475	85-220	195	325	400	85	10.5	261.0	28000

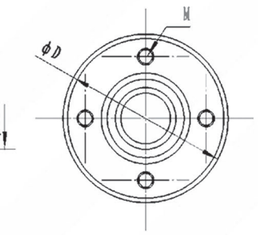
备注：联轴器外径、内孔、长度支持客户自定义尺寸及精度，表格内仅提供标注产品提供参考。
Note: The outer diameter, inner hole, and length of the coupling support customer-defined dimensions and precision, and the marked products are only provided for reference in the table.

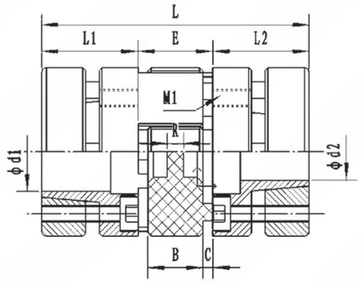
特性 Features

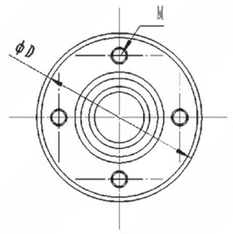
>整体体采用45#高碳钢，适用高扭矩传送
>中间弹性体采用德国进口聚氨脂制成，性能出众
>利用胀套连接的梅花弹性体联轴器
>零回转间隙，拆装方便
>顺时针与逆时针回转特性相同
>可吸收振动，补偿径向，角向和轴向偏差

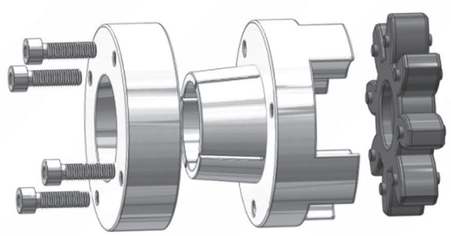
>Body is made of 45# high carbon steel, suitable for high torque transmission
>Polyurethane Elastomer is made in Germany, with outstanding performance
>Plum blossom elastic body coupling connected by expansion sleeve
>Zero backlash, easy to assemble and disassemble
>Clockwise and counterclockwise rotation characteristics are the same
>Can absorb vibration, compensate radial, angular, and axial misalignment











型号举例 Model example

JMZS-□□×□□ - □□ × □□
系列号 外径 长度 d1轴径 d2轴径

Series Diameter Length d1Bore d2Bore
例：JMZS - 95 × 126 - 55 × 50
J:Golden Bridge(金桥通)
M:Jaw Spider (梅花型)
Z:Locking (胀套固定)
S:45# Steel(45# 钢)
95:Outer Diameter(外径尺寸)
126:Length(总长度)
55:d1 inner bore(d1轴径尺寸)
50:d2 inner bore(d2轴径尺寸)
说明：如果需要另加键槽，则以非标形式定做请在型号轴径尺寸后加K,
例：JMCS-95×126-55K×50K, 则表示两内孔都开键槽。

参数Parameter

型号 Model	孔径 Inner bore d1 最小Min	d1 最大Max	d2 最小Min	d2 最大Max	D	L	L1	L2	E	B	C	R	DK	M1	M	Tightening torque 拧紧力矩 (N.M)
JMZS30	6	14	6	14	30	50.0	18.5	18.5	13.0	10.0	1.5	2.0	30	M3	M3×4	1.5
JMZS40	10	20	10	20	40	66.0	25.0	25.0	16.0	12.0	2.0	4.0	40	M4	M4×6	2.5
JMZS55	11	28	11	28	55	78.0	30.0	30.0	18.0	14.0	2.0	4.0	55	M5	M5×4	4.0
JMZS65	15	38	15	38	65	90.0	35.0	35.0	20.0	15.0	2.5	4.0	65	M5	M5×8	4.0
JMZS80	20	45	20	45	80	114.0	45.0	45.0	24.0	18.0	3.0	4.0	80	M6	M6×8	8.0

◎拆卸螺丝M1胀紧螺丝之间

Remove the screws between the M1 expansion screws

特性 Features

>扭矩刚性高，能准确控制轴的旋转，可进行高精度控制
>利用胀套连接的膜片型联轴器
>主体采用45#钢材质，零回转间隙
>高灵敏度，传递力矩大
>顺时针与逆时针回转特性相同
>不锈钢膜片补偿角向和轴向偏差
>常用于伺服电机，步进电机连接

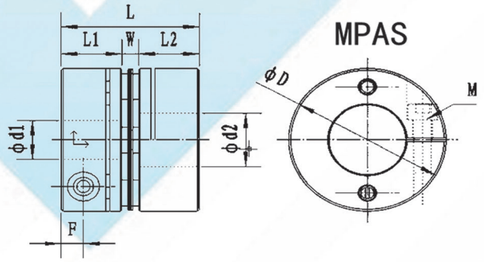
>With high torque capacity, can accurately control shaft rotation,high precision control can be performed
>Using locking assemblies connect,the flexible diaphragm coupling
>Bushings made of 45# steel ,Zero backlash
>Excellent response and high torque capacity
>Identical clockwise and anticlockwise rotational characteristics
>Stainless steel diaphragm absorb angular misalignments and shaft end-play
>For servomotor/stepmotor connect

型号举例 Model example

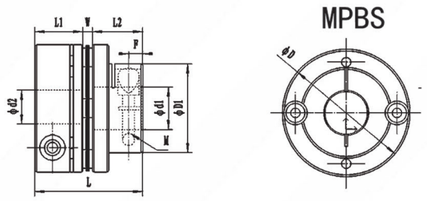
MPAS44-12*16

MPAS	44	12	16
型号 Model	外径 Outer Diameter	孔径 Inner Bore d1	孔径 Inner Bore d2

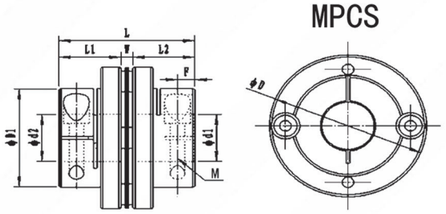
MPAS

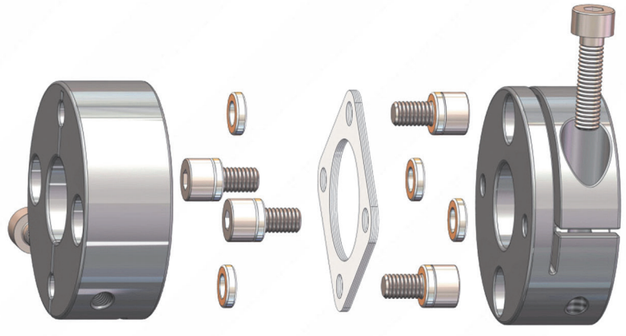


MPBS



MPCS





参数Parameter

MPAS/MPBS/MPCS 外形尺寸表Dimensions

Unit : mm

型号规格 MPBS MPCS	孔径(mm) d1 最小 Min	d1 最大 Max	d2 最小 Min	d2 最大 Max	D	D1	L	L1/L2	W	F	M	锁紧力矩	轴套样式
MPAS26	5	10	5	10	26		25.5	11.5	2.5	3.6	M3	0.7	A
MPAS34	5	14	5	14	34	21.6	31.3	14.1	3.1	4.5	M4	2.5	A
	5	9	5	14			31.3	14.1	3.1	4.5	M4	2.5	B
	5	9	5	9			31.3	14.1	3.1	3.7	M4	2.5	C
MPAS39	8	16	8	16	39		34.1	15.0	4.1	5.0	M4	2.5	A
MPAS44	8	19	8	19	44	29.6	34.5	15.0	4.5	5.0	M4	2.5	A
	8	19	8	15			34.5	15.0	4.5	5.0	M4		B
	8	15	8	15			34.5	15.0	4.5	4.5	M4		C
MPAS56	10	25	10	25	56	38.0	45.0	20.0	5.0	6.5	M5	4.0	A
	10	25	10	19			45.0	20.0	5.0	6.5	M5		B
	10	19	10	19			45.0	20.0	5.0	6.2	M5		C
MPAS68	12	30	12	30	68	46.0	54.0	24.0	6.0	7.5	M6	8.0	A
	12	30	12	24			54.0	24.0	6.0	7.5	M6		B
	12	24	12	24			54.0	24.0	6.0	7.5	M6		C
MPAS82	16	38	16	38	82	56.0	68.0	30.0	8.0	9.5	M8	16.0	A
	16	38	16	28			68.0	30.0	8.0	9.5	M8		B
	16	28	16	28			68.0	30.0	8.0	9.0	M8		C
MPAS94	20	40	20	40	94		68.3	30.0	8.3	9.0	M8	16	A
MPAS104	26	45	26	45	104	–	69.8	30.0	9.8	9.0	M8	16	A

MPAS/MPBS/MPCS 技术参数表 Technical parameter

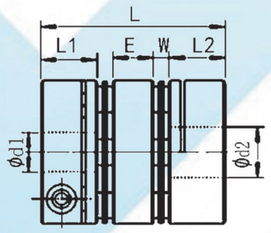
Unit : mm

型号规格	额定扭矩 Rated torque (N. m)	最大扭矩 Max torque (N. m)	允许转速 Allowable speed (min^{-1})	静态扭矩刚性 Torsional stiffness (N.m/rad)	惯性力矩 Moment of inertia (10^{-6} kgm^2)	轴向偏差 axial (mm)	径向偏差 lateral (mm)	角向偏差 Angular (°)	轴套样式	重量 net weight
MPAS26	1.5	3.0	10000	2400	2.7	±0.15	0.02	1	A	25
MPAS34	4.0	8.0	10000	5600	8.7	±0.20	0.02	1	A	49
MPBS34					7.3				B	41
MPCS34					5.9				C	33
MPAS39	6.0	12.0	10000	9600	18	±0.25	0.02	1	A	84
MPAS44	10.0	20.0	10000	12000	35	±0.30	0.02	1	A	105
MPBS44					24				B	90
MPCS44					17				C	76
MPAS56	25.0	50.0	10000	30000	136	±0.40	0.02	1	A	214
MPBS56					102				B	185
MPCS56					81				C	156
MPAS68	60.0	120.0	10000	60000	283	±0.45	0.02	1	A	396
MPBS68					206				B	337
MPCS68					147				C	279
MPAS82	100.0	200.0	10000	72000	715	±0.55	0.02	1	A	727
MPBS82					579				B	625
MPCS82					386				C	513
MPAS94	180.0	360.0	10000	82000	1950	±0.65	0.02	1	A	959
MPAS104	230.0	460.0	10000	120000	4230	±0.74	0.02	1	A	1181

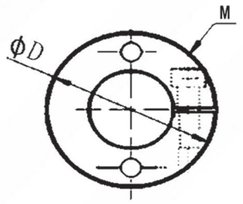
特性 Features

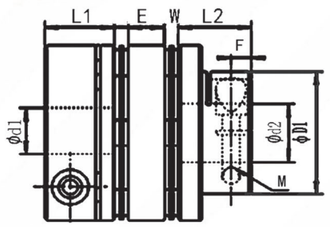
>扭矩刚性高，能准确控制轴的旋转，可进行高精度控制
>专为伺服、步进电机设计
>无间隙的轴和轴套连接，适用于正反转
>轴套采用45#钢材质，高精度，大扭矩
>夹紧螺丝紧固方式

>High torque rigidity, can accurately control the rotation of the shaft, can carry out high precision control
>Designed for servo and stepper motors
>The gap-free shaft and shaft sleeve connection is suitable for forward and reverse rotation
>The shaft sleeve is made of 45# steel material with high precision and high torque
>Clamping screw tightening method

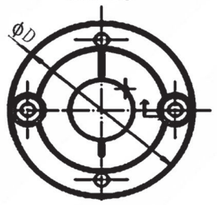


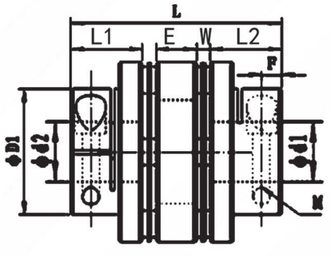
DMPAS



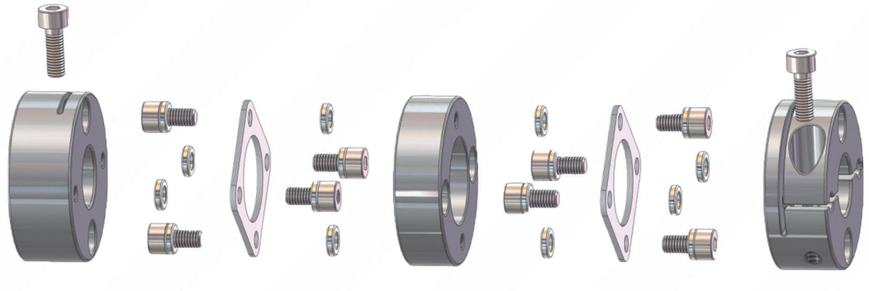


DMPBS





DMPCS



型号举例 Model example

DMPAS □□ × □□ - □□×□□
系列号 外径 长度 d1轴径 d2轴径
Series Diameter Lenght d1Bore d2Bore

例：DMPAS-39×49-12×14
DMP:Double diaphragm coupling(双膜片联轴器)
A(B,C):Coupling shape style（联轴器外形样式）
S:Carbon steel matrix（碳钢基体）
39:Diameter(外径尺寸)
49:Length(总长度)
12：d1 inner bore(d1轴径尺寸)
14：d2 inner bore(d2轴径尺寸)
说明：如果需要另加键槽，则以非标形式定做，请在型号轴径尺寸后加K,
例：DMPAS-39×49-12K×14K, 则表示两内孔都开键槽。

参数Parameter

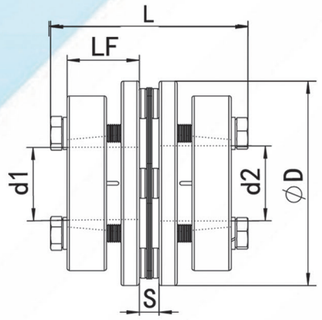
DMPAS/DMPBS/DMPCS 外形尺寸表Dimensions

型号Model	孔径Inner Bore				D	D1	L	L1/L2	E	W	F	M	锁紧力矩 Locking tor que (N.M)	轴套样式 Coipling shape style
	d1		d2											
	最小 Min	最大 Max	最小 Min	最大 Max										
DMPAS26	5	10	5	10	26		35.0	11.5	7.0	2.5		M3	1.5	A
DMPAS34	5	14	5	14	34	—	45	14.9	9.4	3.3	4.5	M4	2.5	A
	5	9	5	14		21.6								B
	5	9	5	9										C
DMPAS39	8	16	8	16	39		49	15	10.8	4.1	4.5	M4	2.5	A
	8	19	8	19		—	39	13.6	2.7	4.6				B
	8	19	8	19			39	13.6	2.7	4.6				C
DMPAS44	8	19	8	19	44		50	15	11	4.5	4.5	M4	2.5	A
	8	19	8	15		29.6								B
	8	15	8	15										C
DMPAS56	10	25	10	25	56	—	63	20	13	5	6.5	M5	4.0	A
	10	25	10	19		38								B
	10	19	10	19										C
DMPAS68	12	30	12	30	68	—	74	24	14	6	7.8	M6	8.0	A
	12	30	12	24		46								B
	12	24	12	24										C
DMPAS82	16	38	16	38	82	—	98	30	22	8	9.5	M8	16	A
	16	38	16	28		56								B
	16	28	16	28										C
DMPAS94	20	40	20	40	94	—	98.6	30	22	8.3	9.5	M8	16	A
DMPAS104	26	45	26	45	104		101.6	30	22	9.8	9.5	M8	16	A

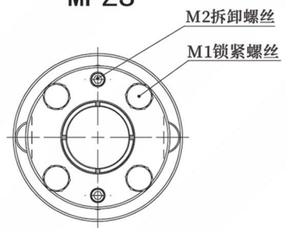
特性 Features

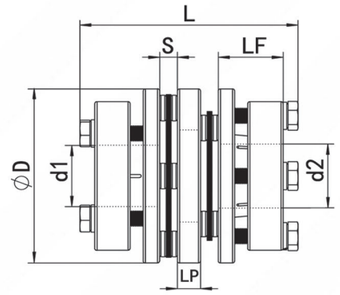
>扭矩刚性高，能准确控制轴的旋转，可进行高精度控制
>利用胀套连接的膜片型联轴器
>主体采用45#钢材质，零回转间隙
>高灵敏度，传递力矩大
>顺时针与逆时针回转特性相同
>不锈钢膜片补偿角向和轴向偏差
>常用于伺服电机，步进电机连接

>With high torque capacity, can accurately control shaft rotation,high precision control can be performed
>Using locking assemblies connect,the flexible diaphragm coupling
>Bushings made of 45# steel ,Zero backlash
>Excellent response and high torque capacity
>Identical clockwise and anticlockwise rotational characteristics
>Stainless steel diaphragm absorb angular misalignments and shaft end-play
>For servomotor/stepmotor connect

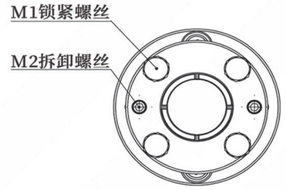


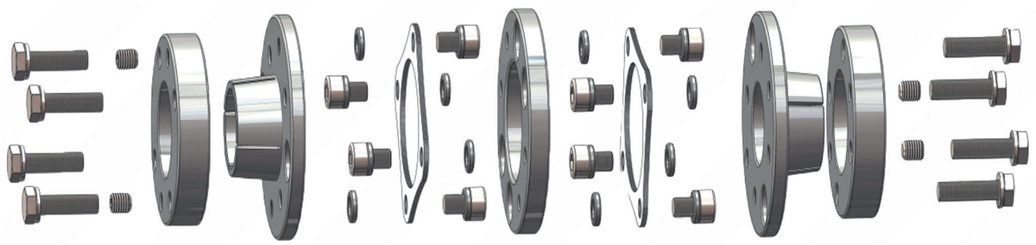
MPZS





DMPZS





型号举例 Model example

DMPZS - □□ x □□ - □□ x □□
系列号 外径 长度 d1轴径 d2轴径
Series Diameter Lenght diBore d2Bore
例:DMPZ-68x65-18x20
MP:Single diaphragm coupling(单膜片联轴器)
DMP:Double diaphragm coupling(双膜片联轴器)
S:Carbon Steel （碳钢材质）
Z:Locking/Ringfeder（胀套型）
68:Diameter （外径尺寸）
65:Length （总长度）
18:d1 inner bore(d1轴径尺寸)
20:d2 inner bore(d2轴径尺寸)

参数Parameter

MPZS 外形尺寸表Dimensions

Unit:mm

型号 Model	常用 d1/d2 内径尺寸 Common diameter d1/d2 diamensions (mm)	D	L	LF	S	M1	M2
MPZS-56x65	12-12.7-14-15-16-17-18-19-20-22-24	56	65	24.5	6	M5	M5
MPZS-68x65	16-17-18-19-20-22-24-25-28-30-32-35	68	65	23.25	6.5	M6	M6
MPZS-82x70	16-17-18-19-20-22-24-25-28-30-32-35	82	70	25	8	M6	M6
备注：联轴器两端内孔由至小和至大内径自由组合，内孔使用H7标准公差加工，表内所标记内径尺寸只供参考，客户所需孔径请联系业务员或其他相关技术人员咨询详细参数.							

MPZS 技术参数表Technical parameter

Unit:mm

型号 Model	额定扭矩 Rated torque (N.m)	径向偏差 Latetral (mm)	容许扭矩 Allowable torque (N.m)	角向偏差 Angular (°)	轴向偏差 Axial (mm)	允许转速 Allowable speed (RPM)	静态扭矩刚性 Torsional stiffmess (N.m/rad)	惯性扭矩 Moment of ineria (N.m)	重量 Weight (g)
MPZS-56x65	50	0.02	100	0.5	±0.5	15000	$4.1x10^4$	$4.2\ x10^{-4}$	680
MPZS-68x65	70	0.02	140	0.5	±0.5	13000	$5.8\ x10^4$	$3.5x10^{-4}$	904
MPZS-82x70	125	0.02	250	0.5	±0.5	11000	$6.2\ x10^4$	$1.0x10^{-3}$	1178

备注：以上惯性力矩和各项技术参数由至大孔径为标准所测的的数据，至大额定扭矩值跟联轴器自身的持久性有关联，外径越大受力越大，外径越小容许转速越高。

DMPZS外形尺寸表Dimensions

Unit:mm

型号 Model	常用 d1/d2 内径尺寸 Common diameter d1/d2 diamensions (mm)	D	L	LF	LP	S	M1	M2
DMPZS-56x80	12-12.7-14-15-16-17-18-19-20-22-24	56	80	24.5	9	6	M5	M5
DMPZS-68x80	16-17-18-19-20-22-24-25-28-30-32-35	68	80	23.25	8.5	6.5	M6	M6
DMPZS-82x88	16-17-18-19-20-22-24-25-28-30-32-35	82	88	25	10	8	M6	M6
备注：联轴器两端内孔由至小和至大内径自由组合，内孔使用H7标准公差加工，表内所标记内径尺寸只供参考,客户所需孔径，请联系业务员或其他相关技术人员咨询详细参数.								

DMPZS技术参数表Technical parameter

Unit:mm

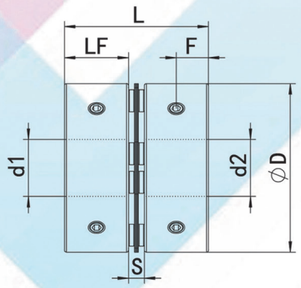
型号 Model	额定扭矩 Rated torque (N.m)	径向偏差 Latetral (mm)	容许扭矩 Allowable torque (N.m)	角向偏差 Angular (°)	轴向偏差 Axial (mm)	允许转速 Allowable speed (RPM)	静态扭矩刚性 Torsional stiffmess (N.m/rad)	惯性扭矩 Moment of ineria (N.m)	重量 Weight (g)
DMPZS-56x80	50	0.02	100	1	±1.0	15000	$2.2x10^4$	$6.1x10^{-4}$	780
DMPZS-68x80	70	0.02	140	1	±1.0	13000	$3.0x10^4$	$8.1x10^{-4}$	1150
DMPZS-82x88	125	0.03	250	1	±1.0	11000	$3.2x10^4$	$1.32x10^{-4}$	1580

备注：以上惯性力矩和各项技术参数由至大孔径为标准所测的的数据，至大额定扭矩值跟联轴器自身的持久性有关联，外径越大受力越大，外径越小容许转速越高。

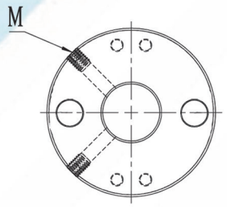
特性 Features

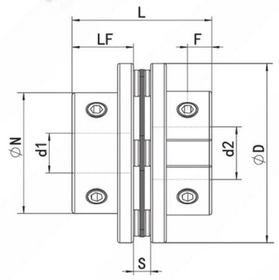
>膜片采用304不锈钢
>扭矩刚性高,能准确控制轴的旋转，可进行高精度控制>
专为伺服、步进电机设计
>带键槽设计，传递力矩大
>无间隙的轴和轴套连接，适用于正反转
>轴套采用45#钢材
>定位螺丝紧固方式

> The diaphragm is made of 304 stainless steel
> High torque rigidity, can accurately control the rotation of the shaft, can carry out high precision control
> Designed specifically for servo, stepper motor
> With keyway design, large torque transmission
> The gap-free shaft and shaft sleeve connection is suitablefor forwardand reverse rotation
> The shaft sleeve is made of 45 # steel
> Tightening method of positioning screw

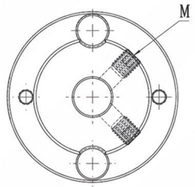


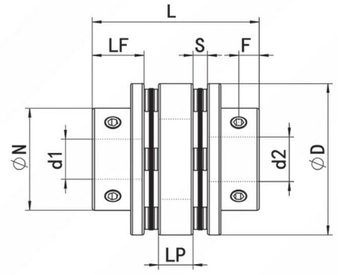
MPADS



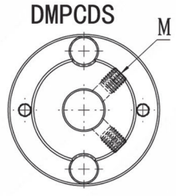


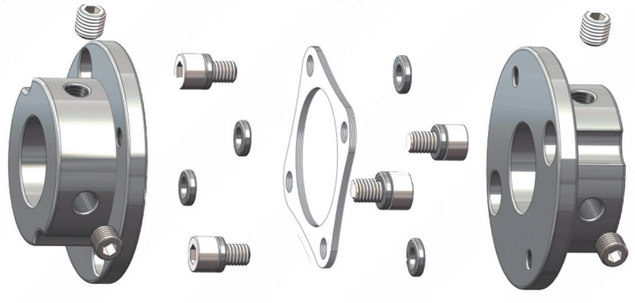
MPCDS





DMPCDS





参数Parameter

MPADS 外形尺寸表Dimensions

Unit:mm

型号 Model	常用 d1/d2 内径尺寸 Common diameter d1/d2 diamensions (mm)	D	L	LF	S	F	M	锁紧力矩 Locking torque (N.m)
MPADS-39x34.5	8-9-10-11-12-12.7-14-15-16-18-19	39	34.5	14.9	4.5	5	M4	1.7
MPADS-65x55.5	12-14-15-16-18-19-20-22-24-25-28-30-32-35	65	55.5	24.9	5.7	9	M6	7
MPADS-87x67	17-18-19-20-22-24-25-28-30-32-35-38-40-42	87	67	29	8.7	9.7	M8	15

备注：联轴器两端内孔由至小和至大内径自由组合，内孔使用H7标准公差加工，表内所标记内径尺寸只供参考,客户所需孔径，请联系业务员或其他相关技术人员咨询详细参数.

MPADS技术参数表Technical parameter

Unit:mm

型号 Model	额定扭矩 Rated torque (N.m)	径向偏差 Latetral (mm)	角向偏差 Angular (°)	轴向偏差 Axial (mm)	容许转速 Allowable speed (RPM)	静态扭矩刚性 Torsionalstiffmess (N.m/rad)	惯性力矩 Moment of inertia (N.m)
MPADS-39x34.5	14	0.02	0.5	±0.23	5000	4000	$3.3x10^5$
MPADS-65x55.5	120	0. 02	0.5	± 0.30	5000	33600	$1.5x10^4$
MPADS-87x67	230	0. 02	0.5	±0.30	4000	78000	$5.0x10^4$

MPCDS外形尺寸表Dimensions

型号 Model	常用 d1/d2 内径尺寸 Common diameter d1/d2 diamensions (mm)	ΦD	ΦN	L	LF	S	F	M	锁紧力矩 Locking torque (N.m)
MPCDS-56×45	12-12.7-14-15-16-17-18-19-20-22-24	56	38	45	19.75	5.3	7.2	M6	7
MPCDS-68×53	14-15-16-17-18-19-20-22-23-24-25-27-28	68	46	53	23.35	6.3	8.0	M8	15
MPCDS-82×68	17-18-19-20-22-24-25-28-30-32-35	82	56	68	30	8	8.0	M8	15

备注：联轴器两端内孔由至小和至大内径自由组合，内孔使用 H7标准公差加工，表内所标记内径尺寸只供参考，客户所需孔径，请联系业务员或其他相关技术人员咨询详细参数。

MPCDS技术参数表Technical parameter

Unit:mm

型号 Model	额定扭矩 Rated torque (N.m)	径向偏差 Latetral (mm)	角向偏差 Angular (°)	轴向偏差 Axial (mm)	允许转速 Allowable speed (RPM)	静态扭矩刚性 Torsionalstiffmess (N.m/rad)	惯性力矩 Moment of inertia (N.m)	重量 Weight (g)
MPCDS-56×45	37	0.1	1	±0.36	5000	4700	$1.5×10^4$	420
MPCDS-68×53	90	0.1	1	±0.40	4500	7200	$3.7×10^4$	700
MPCDS-82×68	125	0.1	1	±0.50	4000	9600	$5.8×10^4$	1304

备注：以上惯性力矩和各项技术参数由至大孔径为标准所测的的数据，至大额定扭矩值跟联轴器自身的持久性有关联，外径越大受力越大，外径越小容许转速越高。

DMPCDS外形尺寸表Dimensions

Unit:mm

型号 Model	常用 d1/d2 内径尺寸 Common diameter d1/d2 diamensions (mm)	ΦD	ΦN	L	LF	LP	S	F	M	锁紧力矩 Locking torque (N.m)
DMPCDS-56×64	12-12.7-14-15-16-17-18-19-20-22	56	38	64	19.75	13.5	5.3	7.2	M6	7
DMPCDS-68×75	15-16-17-18-19-20-22-24-25-25-28	68	46	75	23.35	15.7	6.3	8.0	M6	7
DMPCDS-82×98	17-18-19-20-22-24-25-28-30-32	82	56	98	30	22	8	8.0	M8	15

备注：联轴器两端内孔由至小和至大内径自由组合，内孔使用H7标准公差加工，表内所标记内径尺寸只供参考，客户所需孔径，请联系业务员或其他相关技术人员咨询详细参数.

DMPCDS技术参数表Technical parameter

Unit:mm

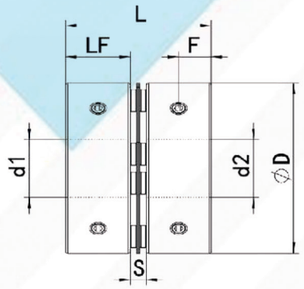
型号 Model	额定扭矩 Rated torque (N.m)	径向偏差 Latetral (mm)	角向偏差 Angular (°)	轴向偏差 Axial (mm)	容许转速 Allowablespeed (RPM)	静态扭矩刚性 Torsionalstiffmess (N.m/rad)	惯性力矩 Moment of inertia (N.m)	重量 Weight (g)
DMPCDS-56×64	37	0.1	1	±0.36	5000	4480	$1.8×10^4$	546
DMPCDS-68×75	90	0.1	1	±0.40	4500	6900	$4.5×10^4$	910
DMPCDS-82×98	125	0.1	1	±0.50	4000	9300	$7.0×10^4$	1695

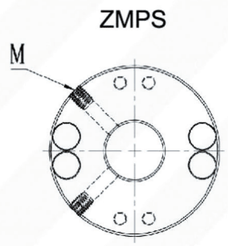
备注：以上惯性力矩和各项技术参数由至大孔径为标准所测的的数据，至大额定扭矩值跟联轴器自身的持久性有关联，外径越大受力越大，外径越小容许转速越高。

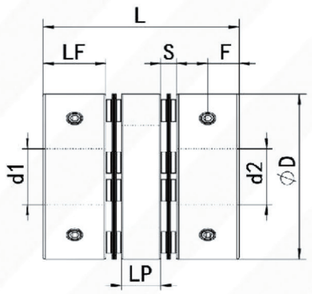
特性 Features

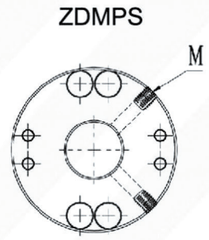
> 主体采用 45# 钢材质，产品表面发黑处理
> 膜片采用 304 不锈钢
> 采用多边弧型 8 个螺丝膜片，扭力大
> 防震动，使用安全可靠、寿命更长
> 无间隙，顺时针与逆时针回转特性相同
> 膜片补偿径向，角向和轴向偏差能力强
> 高刚性、高灵敏度
> 大力矩传递，传动惯量低
> 常用于伺服电机，步进电机

>Bushings made of 45#steel
The surface of the product is blackening
>The diaphragm is made of 304 stainless steel
>Adopt the multi-lateral arc type 8 screw diaphragm.
With large torque
>Prevent vibration, use safety and reliability, and live longer
>Zero backlash, Identical clockwise and anticlockwise
rotational characteristics
>Stainless steel diaphragm absorb vibration. parallel.
angular misalignments and shaft end-play
>High rigidity, high sensitivity
>Large torque is transfered, Low transmission inertia
>For servomotor/stepmotor









参数Parameter

ZMPS 外形尺寸表 Dimensions

Unit:mm

型号 Model	常用 d1/d2 内径尺寸 Commmon inner diameter d1/d2 diamension(mm)	ΦD	L	LF	S	F	M	锁紧力矩 Lockingtorque (N.m)
ZMPS-39×34.5	8-9-10-11-12-12.7-14-15-16-18-19	39	34.5	14.9	4.5	5	M4	1.7
ZMPS-65×55.5	12-14-15-16-18-19-20-22-24-25-28-30-32-35	65	55.5	24.9	5.7	9	M6	7
ZMPS-87×67	17-18-19-20-22-24-25-28-30-32-35-38-40-42	87	67	29	8.7	9.7	M8	15
备注：联轴器两端内孔由至小和至大内径自由组合，内孔使用 H7 标准公差加工，表内所标记内径尺寸只供参考，客户所需孔径，请联系业务员或其他相关技术人员咨询详细参数								

ZMPS 技术参数表 Technical parameter

Unit:mm

型号 Model	额定扭矩 Rated torque (N.m)	径向偏差 Latetral (mm)	角向偏差 Angular (°)	轴向偏差 Axial (mm)	容许转速 Allowable speed(RPM)	静态扭矩刚性 Torsionalstiffmess (N.m/rad)	惯性力矩 Moment of inertia (N.m)	重量 Weight (g)
ZMPS-39×34.5	14	0.02	0.5	±0.23	5000	4000	3.3×10^{3}	220
ZMPS-65×55.5	120	0.02	0.5	±0.30	5000	33600	1.5×10^{4}	855
ZMPS-87×67	230	0.02	0.5	±0.30	4000	78000	5.0×10^{4}	1790
备注。以上惯性力矩 和各项技术参数由大孔径为标准所测的的数据，至大额定扭矩值跟联轴器自身的持久性有关联，外径越大受力越大，外径越小容许转速越高。								

参数Parameter

ZDMPS 外形尺寸表 Dimensions

Unit:mm

型号 Model	常用 d1/d2 内径尺寸 Commmon inner diameter d1/d2 diamension(mm)	ΦD	L	LF	LP	S	F	M	锁紧力矩 Lockingtorque (N.m)
ZDMPS-39×50	8-9-10-11-12-12.7-14-15-16-18-19	39	50	14.9	11.2	4.5	5	M4	1.7
ZDMPS-65×77	12-14-15-16-18-19-20-22-24-25-28-30-32-35	65	77	24.9	15.8	5.7	9	M6	7
ZDMPS-87×94	17-18-19-20-22-24-25-28-30-32-35-38-40-42	87	94	29	19	8.5	9.7	M8	15
备注：联轴器两端内孔由至小和至大内径自由组合，内孔使用 H7 标准公差加工，表内所标记内径尺寸只供参考，客户所需孔径，请联系业务员或其他相关技术人员咨询详细参数									

ZDMPS 技术参数表 Technical parameter

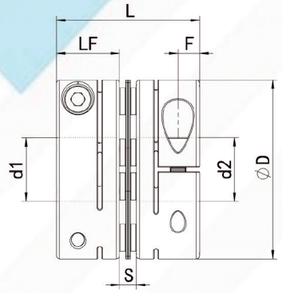
Unit:mm

型号 Model	额定扭矩 Rated torque (N.m)	径向偏差 Latetral (mm)	角向偏差 Angular (°)	轴向偏差 Axial (mm)	容许转速 Allowable speed (RPM)	静态扭矩刚性 Torsionalstiffmess (N.m/rad)	惯性力矩 Moment of inertia (N.m)	重量 Weight (g)
ZDMPS-39×50	14	0.1	1	±0.46	5000	2000	4.5×10^{5}	330
ZDMPS-65×77	120	0.2	1	±0.60	5000	16800	2.3×10^{4}	1280
ZDMPS-87×94	230	0.2	1	±0.60	4000	39000	5.5×10^{4}	2662
备注。以上惯性力矩和各项技术参数由大孔径为标准所测的的数据，至大额定扭矩值跟联轴器自身的持久性有关联，外径越大受力越大，外径越小容许转速越高。								

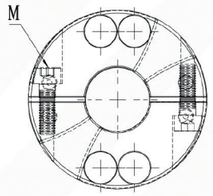
特性 Features

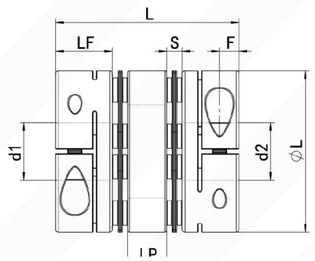
> 主体采用 45# 钢材质，产品表面发黑处理
> 膜片采用 304 不锈钢
> 采用多边弧型 8 个螺丝膜片，扭力大
> 防震动，使用安全可靠、寿命更长
> 无间隙，顺时针与逆时针回转特性相同
> 膜片补偿径向，角向和轴向偏差能力强
> 高刚性、高灵敏度
> 大力矩传递，传动惯量低
> 常用于伺服电机，步进电机

>Bushings made of 45#steel
The surface of the product is blackening
>The diaphragm is made of 304 stainless steel
>Adopt the multi-lateral arc type 8 screw diaphragm,
With large torque
> Prevent vibration, use safety and reliability, and live longer
>Zero backlash, Identical clockwise and anticlockwise
rotational characteristics
> Stainless steel diaphragm absorb vibration、parallel.
angular misalignments and shaft end-play
> High rigidity, high sensitivity
> Large torque is transfered, Low transmission inertia
>For servomotor/stepmotor

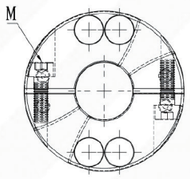


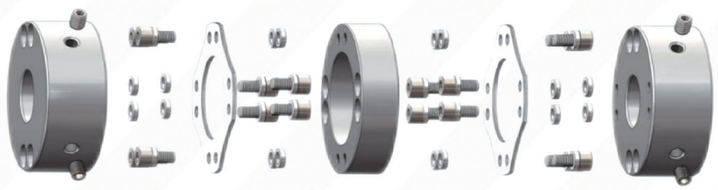
ZMPAS





ZDMPAS





参数Parameter

ZMPAS 外形尺寸表 Dimensions

Unit:mm

型号 Model	常用 d1/d2 内径尺寸 Commmon inner diameter d1/d2 diamension(mm)	ΦD	L	LF	S	F	M	锁紧力矩 Lockingtorque (N.m)
ZMPAS-39×34.5	8-9-10-11-12-12.7-14-15-16-18-19	39	34.5	14.9	4.5	5	M4	3.5
ZMPAS-44×34.5	8-9-10-11-12-12.7-14-15-16-18-20-22-24	44	34.5	14.9	4.5	5	M4	3.5
ZMPAS-56×45	10-12-12.7-14-15-16-18-19-20-22-24-25-28-30	56	45	19.75	5.3	6.4	M5	8
ZMPAS-65×55.5	12-14-15-16-18-19-20-22-24-25-28-30-32-35	65	55.5	24.9	5.7	9	M6	13
ZMPSA-87×67	17-18-19-20-22-24-25-28-30-32-35-38-40-42	87	67	29	8.5	9.7	M8	28
ZMPSA-94×68	19-20-22-24-25-28-30-32-35-38-40-42-44-45	94	68	29.25	9.5	10	M10	55

备注：联轴器两端内孔由至小和至大内径自由组合，内孔使用 H7 标准公差加工，表内所标记内径尺寸只供参考，客户所需孔径，请联系业务员或其他相关技术人员咨询详细参数

ZMPAS 技术参数表 Technical parameter

Unit:mm

型号 Model	额定扭矩 Rated torque (N.m)	径向偏差 Latetral (mm)	角向偏差 Angular (°)	轴向偏差 Axial (mm)	容许转速 Allowable speed(RPM)	静态扭矩刚性 Torsionalstiffmess (N.m/rad)	惯性力矩 Moment of inertia (N.m)	重量 Weight (g)
ZMPAS-39×34.5	14	0.02	0.5	±0.23	5000	4000	3.3×10^3	200
ZMPAS-44×34.5	18	0.02	0.5	±0.27	5000	4600	4.2×10^4	250
ZMPAS-56×45	50	0.02	0.5	±0.30	5000	224000	1.2×10^4	580
ZMPAS-65×55.5	120	0.02	0.5	±0.30	5000	33600	1.5×10^4	850
ZMPSA-87×67	230	0.02	0.5	±0.30	4000	78000	5.0×10^4	1760
ZMPSA-94×68	385.6	0.02	0.5	±0.30	4000	89000	2.3×10^4	1890

备注。以上惯性力矩和各项技术参数由大孔径为标准所测的的数据，至大额定扭矩值跟联轴器自身的持久性有关联，外径越大受力越大，外径越小容许转速越高。

ZDMPAS 外形尺寸表 Dimensions

Unit:mm

型号 Model	常用 d1/d2 内径尺寸 Commmon inner diameter d1/d2 diamension(mm)	ΦD	L	LF	LP	S	F	M	锁紧力矩 Lockingtorque (N.m)
ZDMPAS-39×50	8-9-10-11-12-12.7-14-15-16-18-19	39	50	14.9	11.2	4.5	5	M4	3.5
ZDMPAS-44×50	8-9-10-11-12-12.7-14-15-16-18-20-22-24	44	50	14.9	11.2	4.5	5	M4	3.5
ZDMPAS-56×64	10-12-12.7-14-15-16-18-19-20-22-24-25-28-30	56	64	19.75	13.5	5.3	6.4	M5	8
ZDMPAS-65×77	12-14-15-16-18-19-20-22-24-25-28-30-32-35	65	77	24.9	15.8	5.7	9	M6	13
ZDMPSA-87×94	17-18-19-20-22-24-25-28-30-32-35-38-40-42	87	94	29	19	8.5	9.7	M8	28
ZDMPSA-94×68	19-20-22-24-25-28-30-32-35-38-40-42-44-45	94	98	29.25	20	9.5	10	M10	55

备注：联轴器两端内孔由至小和至大内径自由组合，内孔使用 H7 标准公差加工，表内所标记内径尺寸只供参考，客户所需孔径，请联系业务员或其他相关技术人员咨询详细参数

ZDMPAS 技术参数表 Technical parameter

Unit:mm

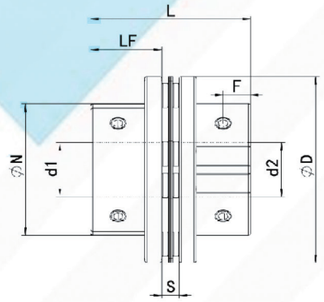
型号 Model	额定扭矩 Rated torque (N.m)	径向偏差 Latetral (mm)	角向偏差 Angular (°)	轴向偏差 Axial (mm)	容许转速 Allowable speed(RPM)	静态扭矩刚性 Torsionalstiffmess (N.m/rad)	惯性力矩 Moment of inertia (N.m)	重量 Weight (g)
ZDMPAS-39×50	14	0.1	1	±0.46	5000	2000	4.5×10^3	300
ZDMPAS-44×50	18	0.1	1	±0.54	5000	2300	5.7×10^4	380
ZDMPAS-56×64	50	0.2	1	±0.60	5000	11200	2.1×10^4	835
ZDMPAS-65×77	120	0.2	1	±0.60	5000	16800	2.3×10^4	1235
ZDMPSA-87×94	230	0.2	1	±0.60	4000	39000	5.5×10^4	2600
ZDMPSA-94×68	385.6	0.2	1	±0.60	4000	44500	2.5×10^4	2900

备注。以上惯性力矩和各项技术参数由大孔径为标准所测的的数据，至大额定扭矩值跟联轴器自身的持久性有关联，外径越大受力越大，外径越小容许转速越高。

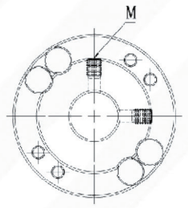
特性 Features

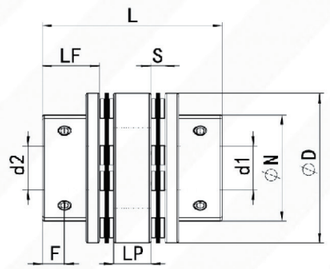
> 主体采用 45# 钢材料
> 表面采用发黑处理
> 膜片型联轴器，拆装方便
> 膜片采用 304 不锈钢
> 采用多边弧型 8 个螺丝膜片，扭力大
> 防震动，使用安全可靠、寿命更长
> 高性能、高灵敏度
> 无间隙，顺时针与逆时针回转特性相同
> 膜片补偿径向，角向和轴向偏差
> 适合大力矩传递
> 常用于伺服电机，步进电机

>Bushings made of 45#steel
>The surface of the product is blackening,With keyway design
>Diaphragm coupling is easy to destuff
>The diaphragm is made of 304 stainless steel
>Adopt the multi-lateral arc type 8 screw diaphragm, With large torque
>Prevent vibration, use safety and reliability, and live longer
>Zero backlash,Identical clockwise and anticlockwise rotational characteristics
>Stainless steel diaphragm absorb vibration,parallel, angular misalignments and shaft end-play
> High rigidity, high sensitivity,Easy destuffing
>Large torque is transfered
>For servomotor/stepmotor

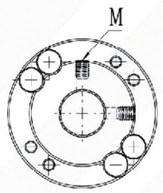


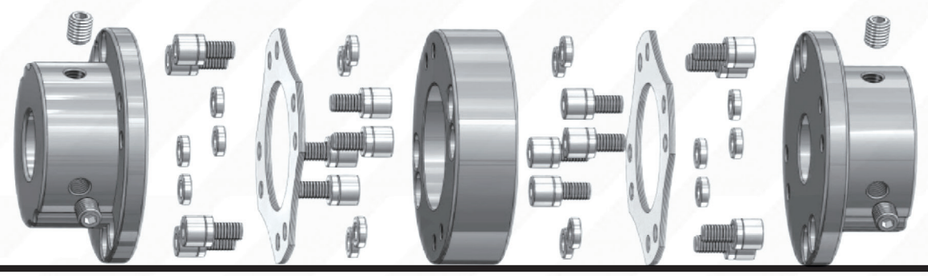
ZMPCS





ZDMPCS





参数Parameter

ZMPCS 外形尺寸表 Dimensions

Unit:mm

型号 Model	常用 d1/d2 内径尺寸 Commmon inner diameter d1/d2 diamension(mm)	ΦD	ΦN	L	LF	S	F	M	锁紧力矩 Lockingtorque (N.m)
ZMPCS-94×68	17-18-19-20-22-24-25-28-30-32-35-38-40-42	94	64	58	29.25	9.5	10	M10	25
ZMPCS-104×80	19-20-22-24-25-28-30-34-35-36-38-40-42-45-46-48	104	68	80	35	105	10	M10	25
ZMPCS-126×91	19-20-22-24-25-28-30-34-35-36-38-40-42-45-46-48-50	126	78	91	39.5	12	12	M12	25

备注：联轴器两端内孔由至小和至大内径自由组合，内孔使用 H7 标准公差加工，表内所标记内径尺寸只供参考，客户所需孔径，请联系业务员或其他相关技术人员咨询详细参数

ZMPCS 技术参数表 Technical parameter

Unit:mm

型号 Model	额定扭矩 Rated torque (N.m)	径向偏差 Latetral (mm)	角向偏差 Angular (°)	轴向偏差 Axial (mm)	容许转速 Allowable speed(RPM)	静态扭矩刚性 Torsionalstiffmess (N.m/rad)	惯性力矩 Moment of inertia (N.m)	轴套材质 Ringfeder material	弹片材质 Dise matarial	表面处理 Surface Trentment	重量 Weight (g)
ZMPCS-65×55.5	120	0.02	0.5	±0.30	4000	33600	1.13×10^4	45# steel	SUS304 stain-less steel	Blacken treat-ment	480
ZMPCS-87×67	230	0.02	0.5	±0.30	4000	78000	1.4×10^4				1280
ZMPCS-94×68	360	0.02	0.5	±0.30	4000	89000	1.2×10^3				2340
ZMPCS-104×80	385.6	0.02	0.5	±0.50	3500	156000	1.3×10^3				3000
ZMPCS-126×91	689	0.02	0.5	±0.50	3500	168000	2.3×10^3				3460

备注。以上惯性力矩 和各项技术参数由大孔径为标准所测的的数据，至大额定扭矩值跟联轴器自身的持久性有关联，外径越大受力越大，外径越小容许转速越高。

ZDMPCS 外形尺寸表 Dimensions

Unit:mm

型号 Model	常用 d1/d2 内径尺寸 Commmon inner diameter d1/d2 diamension(mm)	ΦD	ΦN	L	LF	LP	S	F	M	锁紧力矩 Lockingtorque (N.m)
ZDMPCS-65×77	12-12.7-14-15-16-17-18-19-20-22-24-25-28-30-32	65	46.5	77	24.9	15.8	5.7	7.7	M6	7
ZDMPCS-87×94	17-18-19-20-22-24-25-28-30-32-34-35-36-38	87	56	94	29	8.5	8.5	9.7	M8	15
ZDMPCS-94×98	17-18-19-20-22-24-25-28-30-34-35-36-38-40-42	94	64	98	29.25	9.5	9.5	10	M10	25
ZDMPCS-104×112	19-20-22-24-25-28-30-34-35-36-38-40-42-45-46-48	104	68	112	35	10.5	10.5	10	M10	25
ZDMPCS-126×126	19-20-22-24-25-28-30-34-35-36-38-40-42-45-46-48-50	126	78	126	39.5	12	12	12	M12	55

备注：联轴器两端内孔由至小和至大内径自由组合，内孔使用 H7 标准公差加工，表内所标记内径尺寸只供参考，客户所需孔径，请联系业务员或其他相关技术人员咨询详细参数

ZDMPCS 技术参数表 Technical parameter

Unit:mm

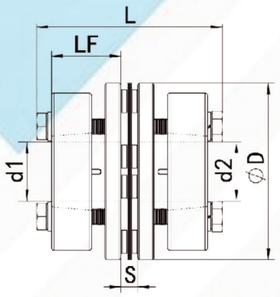
型号 Model	额定扭矩 Rated torque (N.m)	径向偏差 Latetral (mm)	角向偏差 Angular (°)	轴向偏差 Axial (mm)	容许转速 Allowable speed (RPM)	静态扭矩刚性 Torsionalstiffmess (N.m/rad)	惯性力矩 Moment of inertia (N.m)	轴套材质 Ringfeder material	弹片材质 Dise matarial	表面处理 Surface Trentment	重量 Weight (g)
ZDMPCS-65×77	120	0.2	1	±0.60	4000	16800	1.1×10^4	45# steel	SUS304 stain-less steel	Blacken treat-ment	756
ZDMPCS-87×94	230	0.2	1	±0.60	4000	39000	1.5×10^4				1660
ZDMPCS-94×98	360	0.2	1	±0.60	4000	44500	1.2×10^3				2800
ZDMPCS-104×112	385.6	0.25	1	±0.90	3500	78000	1.4×10^3				3600
ZDMPCS-126×126	689	0.25	1	±0.90	3000	84000	2.6×10^3				3700

备注。以上惯性力矩和各项技术参数由大孔径为标准所测的的数据，至大额定扭矩值跟联轴器自身的持久性有关联，外径越大受力越大，外径越小容许转速越高。

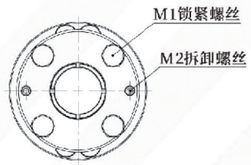
特性 Features

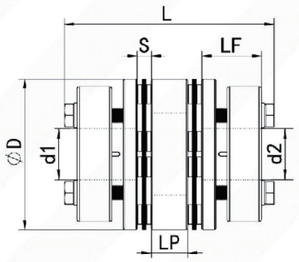
> 主体采用 45# 钢材料，利用胀套连接的膜片型结构
> 主体采用发黑处理，结构简单，便于检查与维护
> 安装方便，结构紧凑，适合于高速运转
> 膜片采用 304 不锈钢
> 采用于多边弧形 8 个螺丝膜片，精确度高，扭力大
> 收编能力高，转动惯量低
> 零回转间隙：顺时针与逆时针回转特性相同
> 可吸收振动，中间膜片补偿角向和轴向偏差
> 可接受大扭力传动，使用更安全可靠性能高
> 常用于伺服电机、步进电机、丝杆等高速联接

>Bushings ,made of 4 5#steel,
Using. locking assemblies connect,the flexible diaphragm coupling
>The surface of the product is blackening,
Simple structure, easy to check and maintain
>Easy installation;Compact structure, suitable for high-speed operation
>The'diaphragm is made of 304 stainlcss stecl,
>Adopt the multi-lateral arc type 8 screw diaphragm, With high accuracy and large torque
>Large torque is transfered,Low transmission inertia
>Zero backlash,Identical clockwise and anticlockwise rotational characteristics
>Stainless steel diaphragm absorb vibration. parallel、angular misalignments and shaft end-play
>Use more secure and reliable
>For servomotor,stepmotor and screw shaft

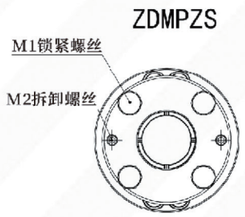


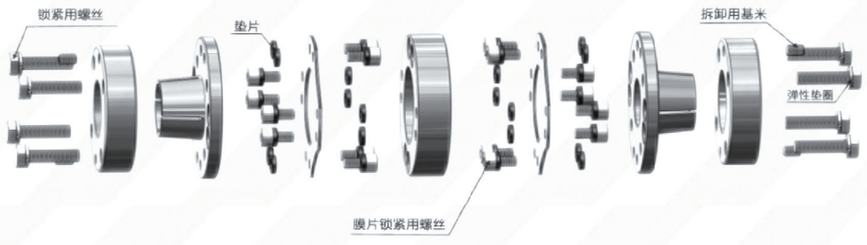
ZMPZS





ZDMPZS





参数Parameter

ZMPZS 外形尺寸表 Dimensions

Unit:mm

型号 Model	常用 d1/d2 内径尺寸 Commmon inner diameter d1/d2 diamension(mm)	ϕD	L	LF	S	M1	M2
ZMPZS-65×68.6	14-15-16-18-19-20-22-24-25-28-30-32-35	65	68.6	25.8	5.7	M6	M6
ZMPZS-87×77	16-17-18-19-20-22-24-25-30-32-35	87	77	28.25	8.5	M6	M6
ZMPZS-94×78	16-18-19-20-22-24-25-28-30-32-35-40-45-48	94	78	28.5	9.5	M6	M6
ZMPZS-104×80	20-25-28-30-32-35-38-40-45-48-50-55	104	80	26.75	10.5	M8	M6

备注：联轴器两端内孔由至小和至大内径自由组合，内孔使用 H7 标准公差加工，表内所标记内径尺寸只供参考，客户所需孔径，请联系业务员或其他相关技术人员咨询详细参数

ZMPZS 技术参数表 Technical parameter

Unit:mm

型号 Model	额定扭矩 Rated torque (N.m)	最大扭矩 Max torque (N.m)	容许转速 Allowable speed(RPM)	惯性力矩 Moment of inertia (N.m)	静态扭矩刚性 Torsionalstiffmess (N.m/rad)	径向偏差 Latetral (mm)	角向偏差 Angular (°)	轴向偏差 Axial (mm)	重量 Weight (g)
ZMPZS-65×68.6	105	210	7000	3.6×10^{4}	7.5×10^{4}	0.02	0.5	±0.5	1000
ZMPZS-87×77	195	390	6000	1.2×10^{3}	1.0×10^{5}	0.02	0.5	±0.5	1230
ZMPZS-94×78	270	540	4500	2.0×10^{3}	2.3×10^{5}	0.02	0.5	±0.5	2000
ZMPZS-104×80	420	840	4500	2.95×10^{3}	2.6×10^{5}	0.02	0.5	±0.5	2100

备注。以上惯性力矩和各项技术参数由大孔径为标准所测的的数据，至大额定扭矩值跟联轴器自身的持久性有关联，外径越大受力越大，外径越小容许转速越高。

ZDMPZS 外形尺寸表 Dimensions

Unit:mm

型号 Model	常用 d1/d2 内径尺寸 Commmon inner diameter d1/d2 diamension(mm)	ϕD	L	LF	LP	S	M1	M2
ZDMPZS-65×90.8	14-15-16-18-19-20-22-24-25-28-30-32-35	65	90.8	25.8	15.8	5.7	M6	M6
ZDMPZS-87×104	16-17-18-19-20-22-24-25-30-32-35	87	104	28.25	19	8.5	M6	M6
ZDMPZS-94×108	16-18-19-20-22-24-25-28-30-32-35-40-45-48	94	108	28.5	20	9.5	M6	M6
ZDMPZS-104×112	20-25-28-30-32-35-38-40-45-48-50-55	104	112	26.75	21	10.5	M8	M6

备注：联轴器两端内孔由至小和至大内径自由组合，内孔使用 H7 标准公差加工，表内所标记内径尺寸只供参考，客户所需孔径，请联系业务员或其他相关技术人员咨询详细参数

ZDMPZS 技术参数表 Technical parameter

Unit:mm

型号 Model	额定扭矩 Rated torque (N.m)	最大扭矩 Max torque (N.m)	容许转速 Allowable speed(RPM)	惯性力矩 Moment of inertia (N.m)	静态扭矩刚性 Torsionalstiffmess (N.m/rad)	径向偏差 Latetral (mm)	角向偏差 Angular (°)	轴向偏差 Axial (mm)	重量 Weight (g)
ZDMPZS-65×90.8	105	210	7000	3.6×10^{4}	7.5×10^{4}	0.02	0.5	±0.5	125
ZDMPZS-87×104	195	390	6000	1.2×10^{3}	1.0×10^{5}	0.02	0.5	±0.5	162
ZDMPZS-94×108	270	540	4500	2.0×10^{3}	2.3×10^{5}	0.02	0.5	±0.5	2410
ZDMPZS-104×112	420	840	4500	2.95×10^{3}	2.6×10^{5}	0.02	0.5	±0.5	2530

备注。以上惯性力矩和各项技术参数由大孔径为标准所测的的数据，至大额定扭矩值跟联轴器自身的持久性有关联，外径越大受力越大，外径越小容许转速越高。