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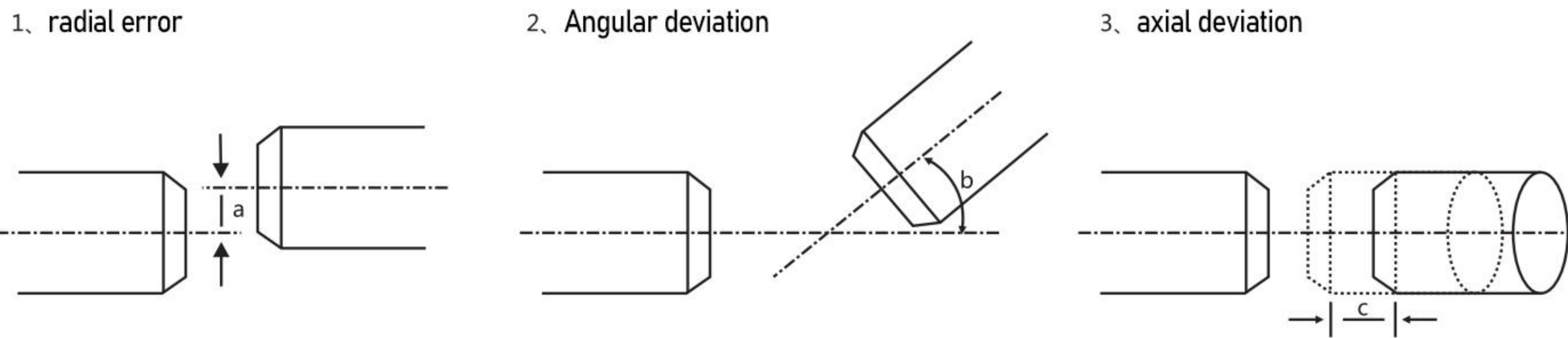


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联轴器安装时出现的偏差说明
Description of installation deviation



List of technical parameters for servo motors and general-purpose motors

Servo Motor Parameter Table

Rated output (KW)	Rated rotational speed (min ⁻¹)	Rated torque (N.m)	Allowable torque (N.m)	Axial 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 table above is a simple calculation based on the allowable transmission torque of the servo's axes and couplings when using the clamping type. It does not represent the guaranteed values for use without clearance.
- ◆ The table above represents the general specifications of servo motors. The torque characteristics of servo motors vary depending on the manufacturer of the servo motor. Therefore, please confirm the size of the coupling by referring to the product catalog of the manufacturer.

General Motor Parameters Table

motor		50Hz : 3000min ⁻¹ 60Hz : 3000min ⁻¹		50Hz : 1500min ⁻¹ 60Hz : 1800min ⁻¹		50Hz : 1000min ⁻¹ 60Hz : 1200min ⁻¹	
		Two-stage motor		Four-stage motor		Sixth-stage motor	
输出 (KW)	频率 (HZ)	轴径 (mm)	扭矩 (N.m)	轴径 (mm)	扭矩 (N.m)	轴径 (mm)	扭矩 (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
11.1	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 table above indicates the key and fixing screw type sizes that are generally used for the universal motor drive unit. This does not imply the selection of specifications without any gaps.
- ◆ The motor speed and output torque are calculated values (reference values).

PFC - Aluminum alloy 梅花-shaped coupling series

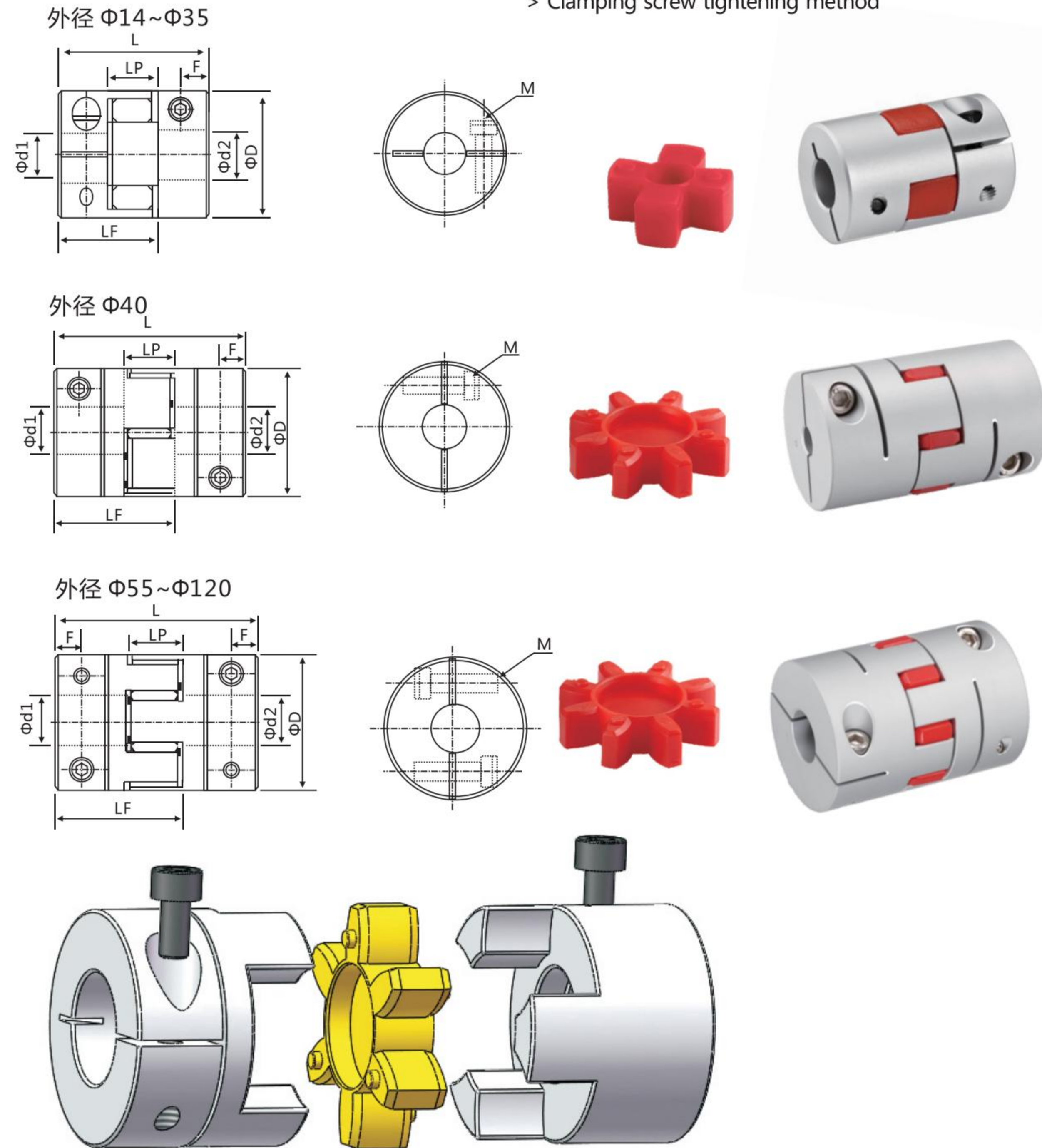
The design features a high-strength aluminum alloy material for the clamping screws, which are securely fastened.

■ 特点：

- >主体采用高强度铝合金
- >零回转间隙，适用于正反转
- >胶体采用聚氨酯制成，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

■ Features :

- > The main body is made of high strength aluminum alloy
- > Zero backlash, suitable for forward and reverse rotation
- > Colloid is made of polyurethane, which has good wear resistance
- > Oil resistance and electrical insulation, the middle elastic body can absorb vibration
- > Compensate radial, angular and axial deviations
- > Removable design for easy installation
- > Clamping screw tightening method



■ 型号举例/Example: PFC - □□ / □□ - □□ / □□

系列号 外径 长度 d1轴径 d2轴径
Series Diameter Lenght d1Bore d2Bore
例: PFC-55 / 78-16 / 20
P: Puladuo(普拉多)
F: Plum flower (梅花型)
C: Clamp (夹紧固定)
55: Diameter (外径尺寸)
78: Length (总长度)
16: d1bore (d1轴径尺寸)
20: d2bore (d2轴径尺寸)

Note: If additional key slots are required, they will be custom-made in non-standard form. Please add "K" after the model number and shaft diameter size.
Example: FC-55778-16K120K indicates that both inner holes have key slots.

Dimensions Table

product model	Common inner diameter sizes of d1/d2	ΦD	L	LF	LP	F	M	Tighten the torque
PFC-14 / 22	3-4-5-6-6.35	14	22	13.9	6.6	3.8	M2.5	0.8
PFC-20 / 25	3-4-5-6-6.35-7-8-9-9.525-10	20	25	16.55	8.6	4.6	M3	1.2
PFC-20 / 30	3-4-5-6-6.35-7-8-9-9.525-10	20	30	19.05	8.6	5.4	M3	1.2
PFC-25 / 30	4-5-6-6.35-7-8-9-9.525-10-11-12	25	30	20.5	11.6	4.6	M4	2.5
PFC-25 / 34	4-5-6-6.35-7-8-9-9.525-10-11-12	25	34	22.5	11.6	5.6	M4	2.5
PFC-30 / 35	5-6-6.35-7-8-9-10-11-12-12.7-14-15-16	30	35	22.7	10.9	5.9	M4	2.5
PFC-30 / 40	5-6-6.35-7-8-9-10-11-12-12.7-14-15-16	30	40	25.2	10.9	7.0	M4	2.5
PFC-35 / 50	5-6-6.35-7-8-9-10-11-12-12.7-14-15-16-17-18-19	35	50	30.1	11.5	6.5	M5	5
PFC-40 / 50	6-8-9-10-11-12-12.7-14-15-16-17-18-19-20-22-24	40	50	31.2	13.7	6.7	M5	5
PFC-40 / 55	6-8-9-10-11-12-12.7-14-15-16-17-18-19-20-22-24	40	55	33.7	13.7	7.2	M5	5
PFC-40 / 66	6-8-9-10-11-12-12.7-14-15-16-17-18-19-20-22-24	40	66	39.2	13.7	8.0	M5	5
PFC-55 / 49	10-11-12-12.7-14-15-16-17-18-19-20-22-24-25-28-30-32	55	49	32	16.1	6.5	M6	8
PFC-55 / 78	8-10-12-12.7-14-15-16-17-18-19-20-22-24-25-28-30-32	55	78	46.5	16.1	10.3	M6	8
PFC-65 / 80	14-15-16-17-18-19-20-22-24-25-28-30-32-35-38-40	65	80	48.05	16.7	14.0	M8	20
PFC-65 / 90	14-15-16-17-18-19-20-22-24-25-28-30-32-35-38-40	65	90	53.05	16.7	11.9	M8	20
PFC-80 / 114	19-20-22-24-25-28-30-32-35-38-40-42-45	80	114	67.25	22.5	15.5	M8	20
PFC-95 / 126	19-20-22-24-25-28-30-32-35-38-40-42-45-50-55	95	126	73.75	24.0	15.0	M10	40
PFC-105 / 140	20-22-24-25-28-30-32-35-38-40-42-45-50-55-60	105	140	81.8	26.4	21	M10	40
PFC-120 / 160	22-24-25-28-30-32-35-38-40-42-45-50-55-60-65	120	160	91.7	27.4	26	M12	75

备注：联轴器两端内孔由最小和最大内径自由组合，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。

Technical Parameters

product model	Rated torque (N.m)	Permissible eccentricity (mm)	Allowable offset angle (°)	Allow for axial deviation (mm)	permissible revolution (RPM)	Static torsional stiffness (N.m/rad)	Moment of inertia (N.m)	Coupling weight (g)
PFC-14 / 22	1.1	0.02	1	+0.60	19000	46	2.0×10^{-7}	10
PFC-20 / 25	2.8	0.02	1	+0.60	17000	55	1.0×10^{-6}	15
PFC-20 / 30	2.8	0.02	1	+0.60	17000	55	1.1×10^{-6}	19
PFC-25 / 30	6	0.02	1	+0.60	16000	65	5.2×10^{-6}	33
PFC-25 / 34	6	0.02	1	+0.60	16000	65	5.2×10^{-6}	42
PFC-30 / 35	6.5	0.02	1	+0.60	12000	72	6.2×10^{-6}	50
PFC-30 / 40	6.5	0.02	1	+0.60	12000	72	6.2×10^{-6}	60
PFC-35 / 50	15	0.02	1	+0.60	10000	200	8.1×10^{-6}	45
PFC-40 / 50	32	0.02	1	+0.80	10000	450	3.8×10^{-5}	115
PFC-40 / 55	32	0.02	1	+0.80	10000	500	3.8×10^{-5}	127
PFC-40 / 66	32	0.02	1	+0.80	10000	550	3.9×10^{-5}	154
PFC-55 / 49	46	0.02	1	+0.80	8000	1200	1.6×10^{-3}	241
PFC-55 / 78	46	0.02	1	+0.80	8000	1500	1.6×10^{-3}	341
PFC-65 / 80	109	0.02	1	+0.80	6000	2600	3.8×10^{-3}	433
PFC-65 / 90	109	0.02	1	+0.80	6000	2800	3.8×10^{-3}	583
PFC-80 / 114	135	0.02	1	+1.00	4600	3500	1.8×10^{-3}	1000
PFC-95 / 126	250	0.02	1	+1.00	3800	4600	2.0×10^{-3}	1650
PFC-105 / 140	420	0.02	1	+1.00	3400	5400	3.2×10^{-3}	2640
PFC-120 / 160	520	0.02	1	+1.00	3000	6500	4.5×10^{-3}	3230

备注：以上惯性力矩和各项技术参数由最大孔径为标准所测的数据，最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。

PS - Single Diaphragm Coupling Series

The cup head bolts adopt a high-strength aluminum alloy material design for tight clamping.

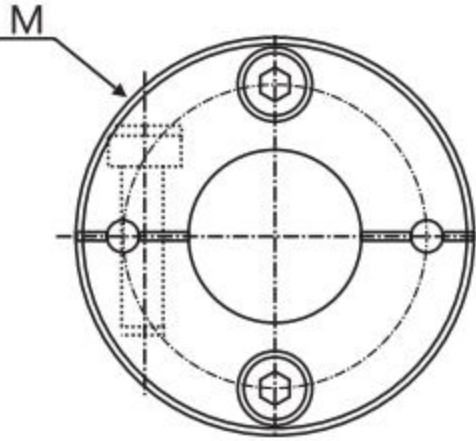
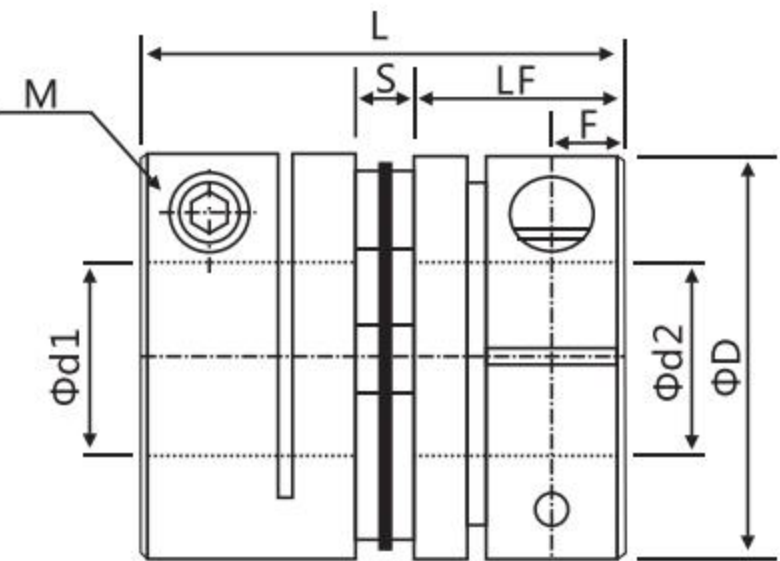
■ 特点：

- >轴套采用高强度铝合金
- >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
- >无间隙的轴和轴套连接，适用于正反转
- >低惯量，适用于高速运转
- >夹紧螺丝紧固方式

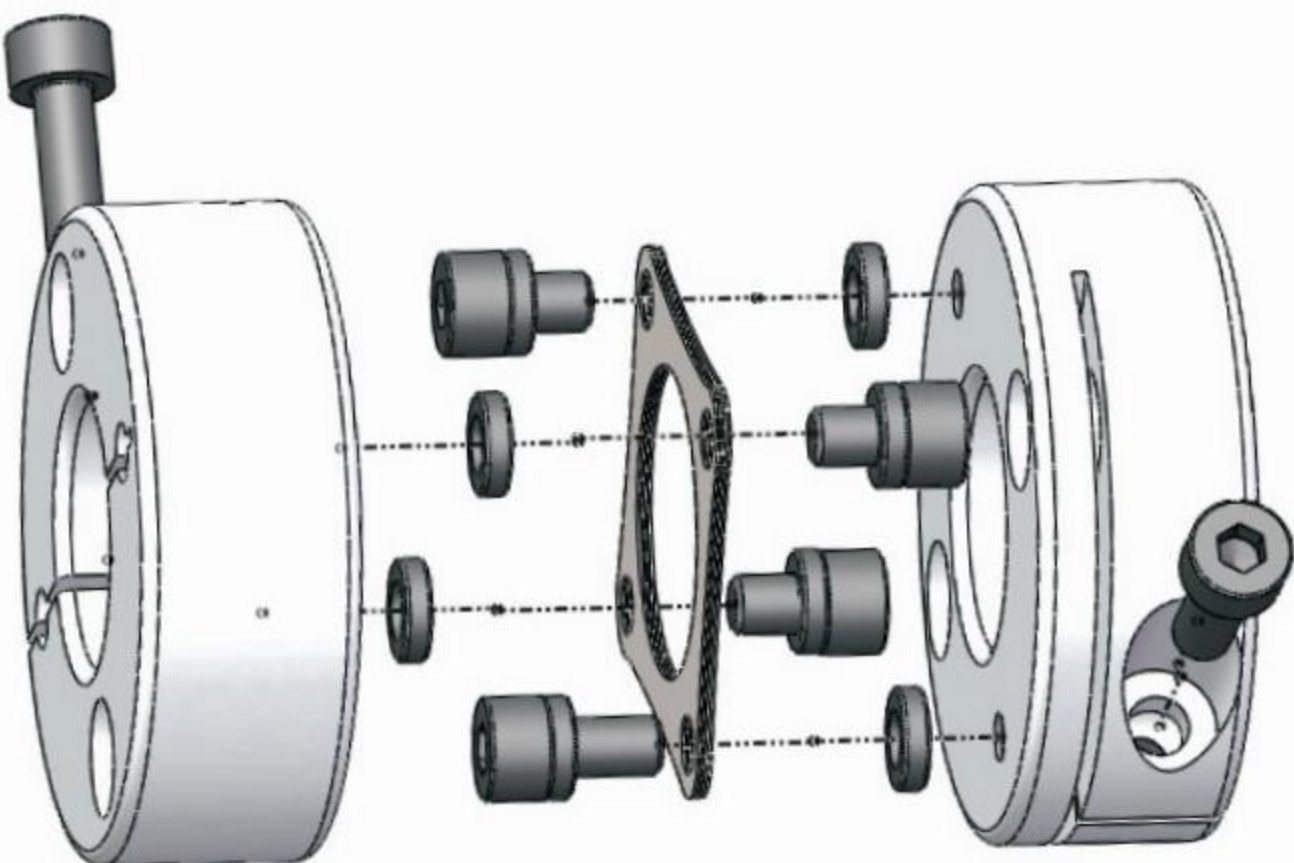
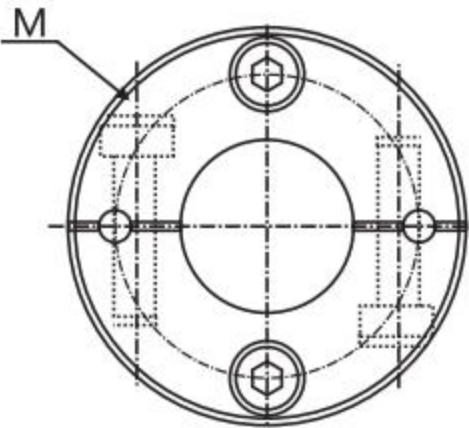
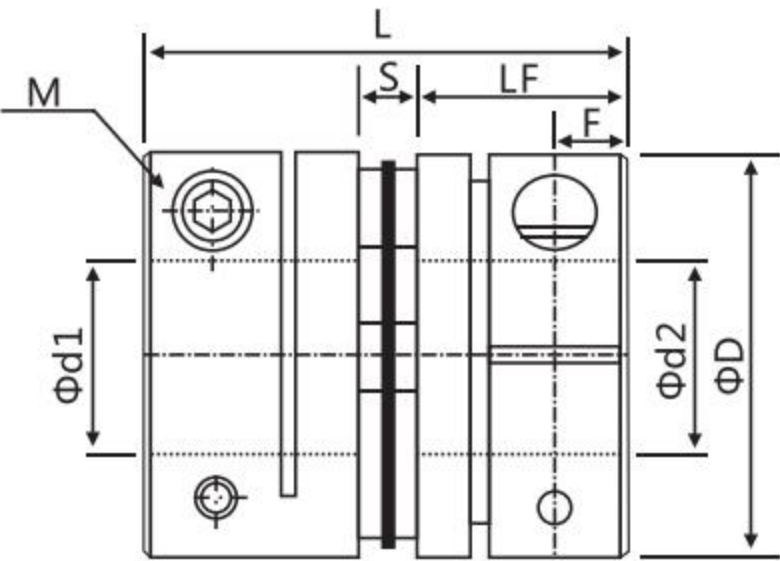
■ Features：

- > The shaft sleeve is made of high-strength aluminum alloy
- > 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
- > The gap-free shaft and shaft sleeve connection is suitable for forward and reverse rotation
- > Low inertia, suitable for high speed operation
- > Clamping screw tightening method

外径 Φ19~Φ44



外径 Φ50~Φ126



■ 型号举例/Example: PS - □□ / □□ - □□ / □□

系列号 外径 长度 d1轴径 d2轴径
Series Diameter Length d1Bore d2Bore
例: PS-32 / 28-8 / 9
P: Puladuo(普拉多)
S: Short(短型单膜片)
32: Diameter (外径尺寸)
28: Length (总长度)
8: d1bore (d1轴径尺寸)
9: d2bore (d2轴径尺寸)

Note: If additional key slots are required, they will be custom-made in non-standard form. Please add "K" after the model number and shaft diameter size.
Example: PS-32/28-8k/9k, indicates that both inner holes have key slots.

Dimensions Table

(单位: mm)

product model	Common inner diameter sizes of d1/d2	ΦD	L	LF	S	F	M	Tighten the torque (n.m)
PS-19/20	3-4-5-6-6.35-7-8	19	20	9.1	1.8	3.3	M2.5	0.8
PS-20/23	3-4-5-6-6.35-7	20	23	9.1	1.9	3.6	M3	0.8
PS-26/26	3-4-5-6-6.35-7-8	26	26	11.65	2.6	3.9	M3	1.2
PS-29/25.7	5-6-6.35-7-8-9-9.525-10-11-12	29	25.7	11.65	2.9	3.8	M3	1.2
PS-32/28	5-6-6.35-7-8-9-9.525-10-11-12-14	32	28	12.25	3.5	3.85	M3	1.2
PS-33/28.5	5-6-6.35-7-8-9-9.525-10-11-12-14-15	33	28.5	12.25	3.4	4.1	M3	2.0
PS-34/32	5-6-6.35-8-9-9.525-10-11-12-12.7-14-15-16	34	32	14.25	3.5	4.5	M4	2.5
PS-39/34.5	8-9-9.525-10-11-12-12.7-14-15-16-17-18-19	39	34.5	14.9	5	4.5	M4	2.5
PS-44/34.5	8-9-9.525-10-11-12-12.7-14-15-16-17-18-19	44	34.5	14.9	5	4.8	M4	2.5
PS-50/41	8-9-9.525-10-11-12-12.7-14-15-16-17-18-19-20-22-24-25	50	41	18.1	5.8	5.5	M5	5
PS-56/45	10-12-14-15-16-17-18-19-20-22-24-25-28-30-32	56	45	19.75	6.4	6.3	M5	5
PS-68/53	12-14-15-16-17-18-19-20-22-24-25-28-30-32-35-38	68	53	23.35	7.7	8.0	M6	8
PS-82/68	17-18-19-20-22-24-25-28-30-32-35-38-40-42	82	68	30	9.7	8.0	M8	20
PS-94/68	19-20-22-24-25-28-30-32-35-38-40-42-43-44-45	94	68	29.7	8.6	10	M10	40
PS-104/70	20-22-24-25-28-30-32-35-38-40-42-43-44-45-46-48	104	70	29.7	10.6	10	M10	40
PS-126/78	20-22-24-25-28-30-32-35-38-40-42-43-44-45-46-47-55	126	78	29.7	12.6	12	M12	75

备注：联轴器两端内孔由最小和最大内径自由组合,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.

Technical Parameters

(单位: mm)

product model	rated torque (N.m) *	Allowing favoritism (mm) *	Allowable offset angle (°) *	Allow for axial deviation (mm) *	permissible revolution rpm	Static torsional stiffness (N.m/rad)	inertia moment (kg.m ²)	Axial sleeve Material	Shrapnel Material	Surface Handle	weight (g)
PS-19/20	1	0.1	1	±0.09	10000	1400	6.7×10 ⁻⁷	高强度铝合金	SUS304 不锈钢	阳极氧化处理	11
PS-20/23	1.5	0.1	2	±0.10	10000	1800	2.2×10 ⁻⁶				20
PS-26/26	1.5	0.1	2	±0.14	10000	3700	2.2×10 ⁻⁶				28
PS-29/25.7	2	0.1	1	±0.18	10000	3700	6.7×10 ⁻⁶				35
PS-32/28	2	0.1	2	±0.18	10000	5700	7.1×10 ⁻⁶				46
PS-33/28.5	2	0.1	1	±0.18	10000	5800	7.8×10 ⁻⁶				50
PS-34/32	3	0.1	2	±0.18	10000	8100	8.0×10 ⁻⁶				55
PS-39/34.5	6	0.1	1	±0.23	10000	18000	2.2×10 ⁻⁵				81
PS-44/34.5	9	0.1	1	±0.27	10000	20000	2.8×10 ⁻⁵				99
PS-50/41	18	0.1	2	±0.30	10000	32000	2.5×10 ⁻⁵				135
PS-56/45	25	0.1	1	±0.36	10000	50000	1.2×10 ⁻⁴				217
PS-68/53	60	0.1	1	±0.4	9000	70000	1.5×10 ⁻⁴				348
PS-82/68	80	0.1	1	±0.5	8000	140000	1.8×10 ⁻⁴				689
PS-94/68	241	0.02	0.5	±0.30	5500	80000	1.23×10 ⁻⁴				1521
PS-104/70	280	0.02	0.5	±0.50	4000	140000	1.85×10 ⁻³				1950
PS-126/78	511	0.02	0.5	±0.50	4000	150000	3.75×10 ⁻³				2250

备注：以上惯性力矩和各项技术参数由最大孔径为标准所测的的数据，最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。

■ 轴径和内孔的公差建议使用H7公差 ■ 可加工键槽及其他特殊孔形 ■ 支持非标的外径、长度及内径定制,定制时请提供精确的

PL - Aluminum Alloy Double Diaphragm Clamping Series

PL - Aluminum Alloy Double Diaphragm Clamping Series

The cup head bolts adopt a high-strength aluminum alloy material design for tight clamping.

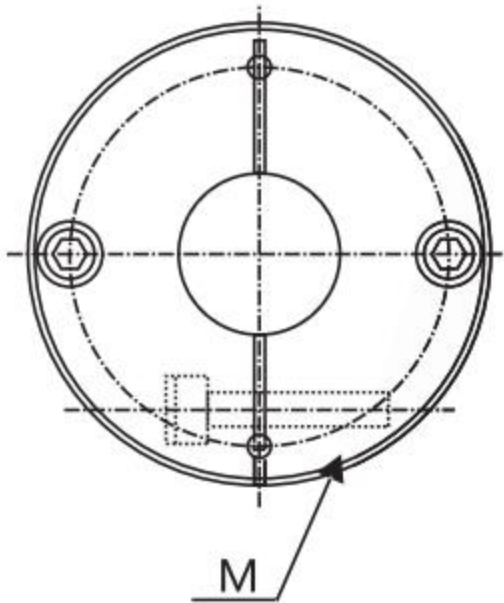
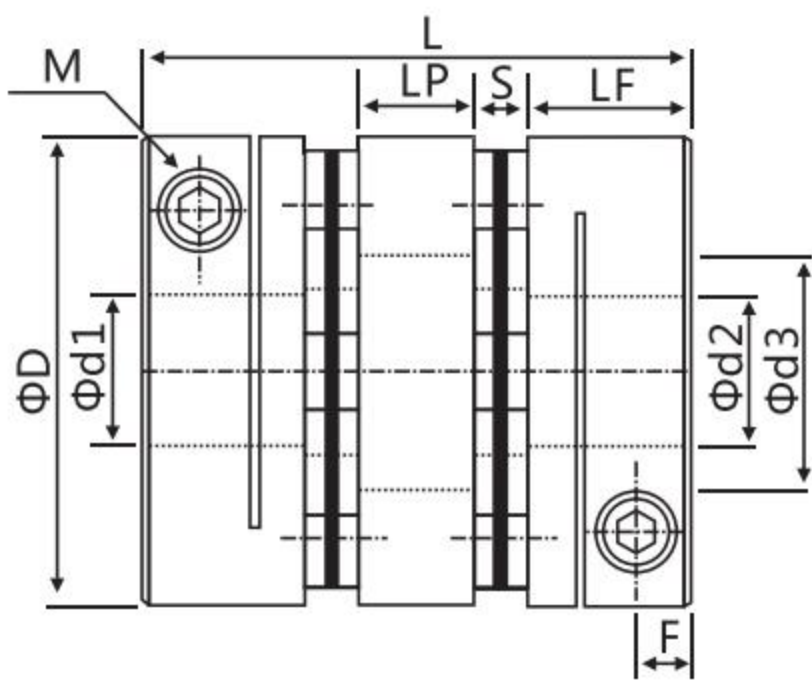
■ 特点：

- > 轴轴套采用高强度铝合金。
- > 膜片采用304不锈钢。
- > 扭转刚度高,能准确控制轴的旋转,可进行高精度控制。
- > 无间隙的轴和轴套连接专为伺服步进电机设计。
- > 超低惯量,高灵敏度,适用于高速运转。
- > 顺时针与逆时针回转特性完全相同。
- > 不锈钢膜片补偿角向和轴向偏差。

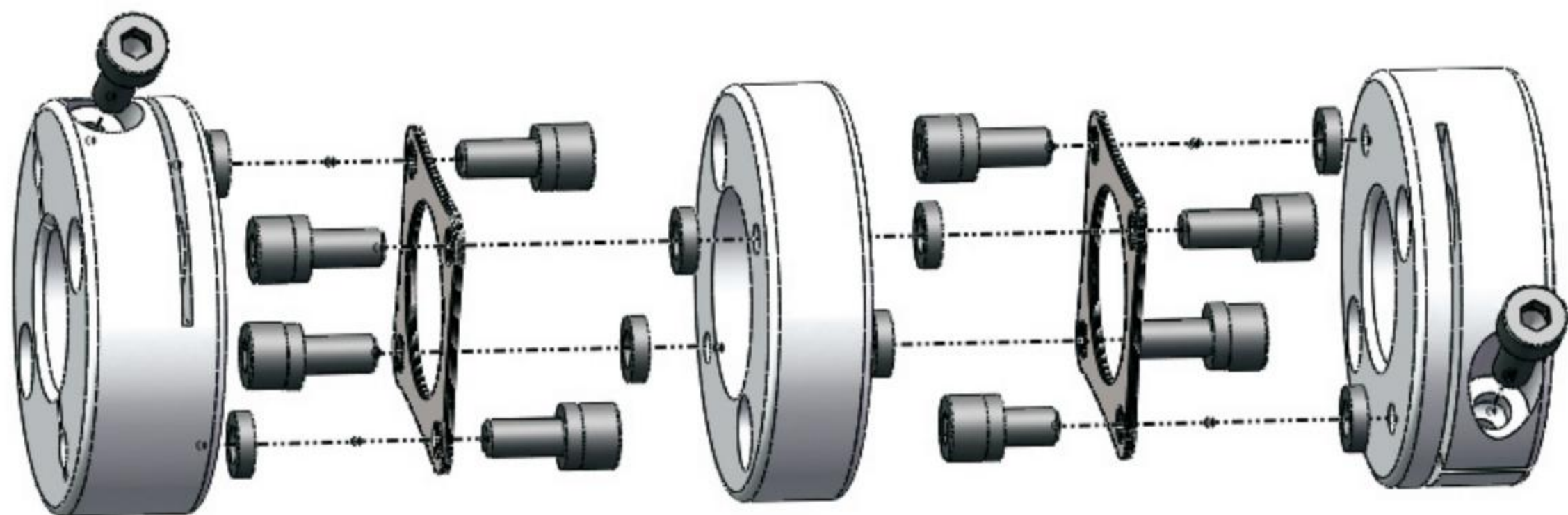
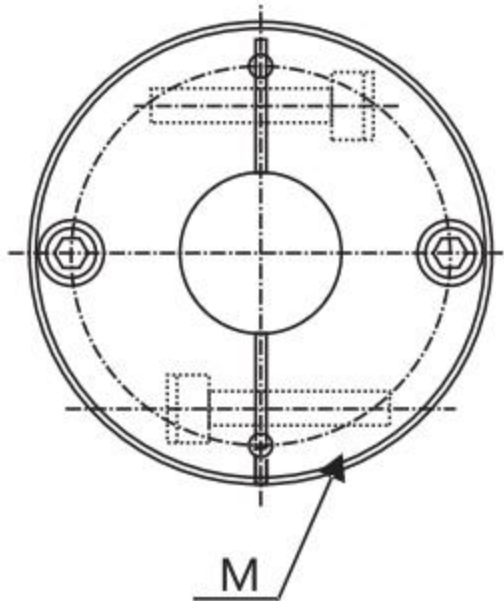
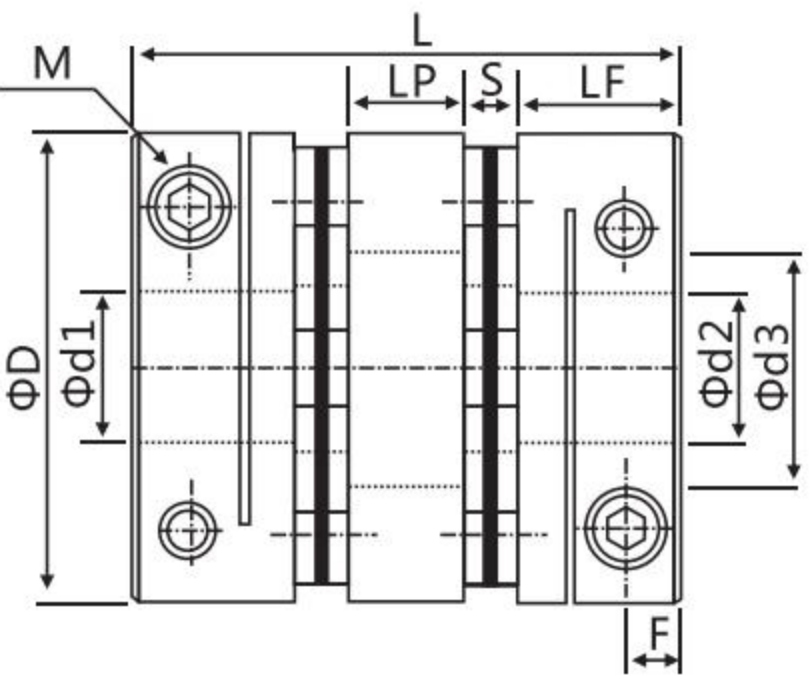
■ Features :

- > The shaft sleeve is made of high-strength aluminum alloy.
- > The diaphragm is made of 304 stainless steel.
- > High torsional rigidity, can accurately control the rotation of the shaft, and can be controlled with high precision.
- > The gap-free shaft and shaft sleeve connection are specially designed for servo and stepper motors.
- > Ultra-low inertia, high sensitivity, suitable for high-speed operation.
- > The characteristics of clockwise and counterclockwise rotation are exactly the same.
- > Stainless steel diaphragm compensates for angular and axial deviations.

外径 Φ19~Φ44



外径 Φ50~Φ126



PL - Aluminum Alloy Double Diaphragm Clamping Series

■ 型号举例/Example: PL - □□ / □□ - □□ / □□

系列号 外径 长度 d1轴径 d2轴径
Series Diameter Length d1Bore d2Bore
例: PLFC-32 / 41-8 / 9
P: Puladuo(普拉多)
L: Long(长型双膜片)
32: Diameter (外径尺寸)
41: Length (总长度)
8: d1bore (d1轴径尺寸)
9: d2bore (d2轴径尺寸)

Note: If additional key slots are required, they will be custom-made in non-standard form. Please add "K" after the model number and shaft diameter size.

Example: PS-32/41-8k/12k, indicates that both inner holes have key slots.

Dimensions Table

(单位: mm)

product model	Common inner diameter sizes of d1/d2	ΦD	L	LF	Φd3	F	M	Tighten the torque (N.m)
PL-19/27	3-4-5-6-6.35-7-8	19	27	9.1	9	3.3	M2.5	0.8
PL-20/28.8	3-4-5-6-6.35-7-8	20	28.8	11	8.5	3.5	M2.5	1.0
PL-26/34.1	5-6-6.35-7-8-9-9.525-10-11-12-14	26	34.1	11.9	11.5	3.5	M2.5	1.0
PL-26/35	5-6-6.35-7-8-9-9.525-10-11-12-14	26	35	11.35	12.5	3.9	M3	1.2
PL-29/34.3	5-6-6.35-7-8-9-9.525-10-11-12-14	29	34.3	11.9	14.5	3.5	M2.5	1.0
PL-32/41	5-6-6.35-8-9-9.525-10-11-12-12.7-14-15	32	41	12.25	15	3.85	M3	1.2
PL-33/40	5-6-6.35-8-9-9.525-10-11-12-12.7-14-15-16	33	40	13	16.5	4.0	M3	1.5
PL-34/45	5-6-6.35-8-9-9.525-10-11-12-12.7-14-15-16	34	45	14.25	16	4.85	M4	2.5
PL-39/49.4	8-9-9.525-10-11-12-12.7-14-15-16-17-18-19	39	49.4	16	19	4.75	M4	3.5
PL-39/50	8-9-9.525-10-11-12-12.7-14-15-16-17-18-19	39	50	14.9	19.3	5.0	M4	2.5
PL-44/50	8-9-9.525-10-11-12-12.7-14-15-16-17-18-19-20-22	44	50	14.9	22.5	5.0	M4	2.5
PL-50/57	8-9-9.525-10-11-12-12.7-14-15-16-17-18-19-20-22-25	50	57	18.6	23	5.8	M5	5.0
PL-56/64	10-12-14-15-16-17-18-19-20-22-24-25-28-30-32	56	64	19.75	32.5	6.4	M5	5.0
PL-68/75	12-14-15-16-17-18-19-20-22-24-25-28-30-32-35-38	68	75	23.35	38.3	7.7	M6	8.0
PL-82/98	17-18-19-20-22-24-25-28-30-32-35-38-40-42	82	98	30	45.5	9.7	M8	20
PL-94/98	19-20-22-24-25-28-30-32-35-38-40-42-43-44-45	94	98	30	47.5	10	M10	40
PL-104/102	20-22-24-25-28-30-32-35-38-40-42-43-44-45-46-48	104	102	30	47.5	10	M10	40
PL-126/110	20-22-24-25-28-30-32-35-38-40-42-43-44-45-46-55	126	110	33	57.5	12	M12	75

备注：联轴器两端内孔由最小和最大内径自由组合,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。

Technical Parameters

(单位: mm)

product model	Rated torque (N.m)	Permissible eccentricity (mm)	Allowable offset angle (°)	Allow for axial deviation (mm)	permissible revolution (RPM)	Static torsional stiffness (N.m/rad)	Moment of inertia (N.m)	Coupling weight (g)
PL-19/27	1	0.12	1.5	±0.18	10000	700	9.1×10 ⁻⁷	14
PL-20/28.8	1	0.10	2.0	±0.20	10000	550	1.1×10 ⁻⁶	19
PL-26/34.1	2	0.15	2.0	±0.20	10000	700	3.3×10 ⁻⁶	31
PL-26/35	1.5	0.15	1.5	±0.30	10000	1850	3.0×10 ⁻⁶	37
PL-29/34.3	3	0.15	2.0	±0.30	10000	1200	5.5×10 ⁻⁶	43
PL-32/41	2	0.17	1.5	±0.36	10000	2850	7.6×10 ⁻⁶	67
PL-33/40	5	0.20	2.0	±0.40	10000	1500	1.1×10 ⁻⁵	60
PL-34/45	3	0.17	1.5	±0.36	10000	4050	9.0×10 ⁻⁶	77
PL-39/49.4	8	0.25	2.0	±0.50	10000	3350	2.7×10 ⁻⁵	113
PL-39/50	6	0.22	1.5	±0.45	10000	9000	3.0×10 ⁻⁵	118
PL-44/50	9	0.22	1.5	±0.54	10000	10000	3.8×10 ⁻⁵	144
PL-50/57	18	0.23	1.5	±0.54	10000	16000	3.0×10 ⁻⁵	235
PL-56/64	25	0.27	1.5	±0.72	10000	25000	1.6×10 ⁻⁵	318
PL-68/75	60	0.31	1.5	±0.80	9000	35000	2.0×10 ⁻⁴	492
PL-82/98	80	0.55	1.5	±0.80	8000	70000	2.5×10 ⁻⁴	1013
PL-94/98	165	0.55	1.5	±1.30	8000	50000	1.76×10 ⁻³	1502
PL-104/102	235	0.55	1.5	±1.30	8000	60000	1.86×10 ⁻³	1650
PL-126/110	350	0.60	1.5	±1.30	8000	67500	3.95×10 ⁻³	1980

备注：以上惯性力矩和各项技术参数由最大孔径为标准所测的数据,最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。

■ 轴径和内孔的公差建议使用H7公差

■ 可加工键槽及其他特殊孔形

■ 支持非标的外径、长度及内径定制,定制时请提供精确的参数及图纸。

PLT - Aluminum alloy stepped double diaphragm clamping series

Using high-strength aluminum alloy material with anodized surface treatment

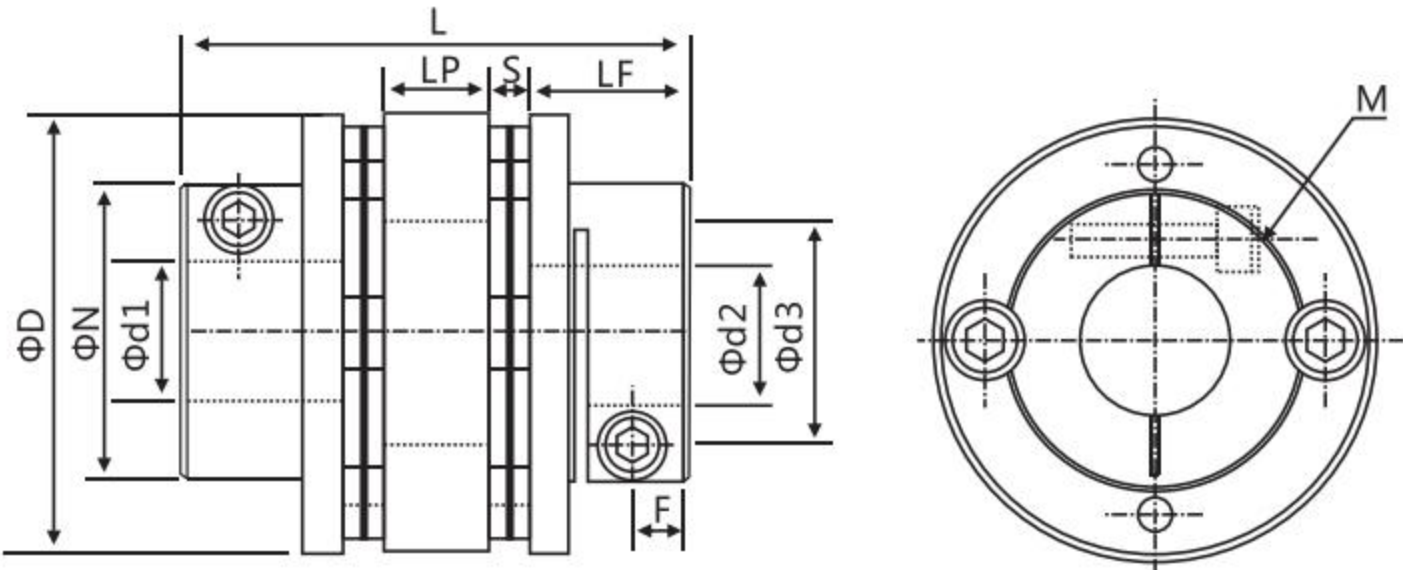
特点：

- >轴套采用高强度铝合金
- >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
- >无间隙的轴和轴套连接，适用于正反转
- >低惯量，适用于高速运转
- >夹紧螺丝紧固方式

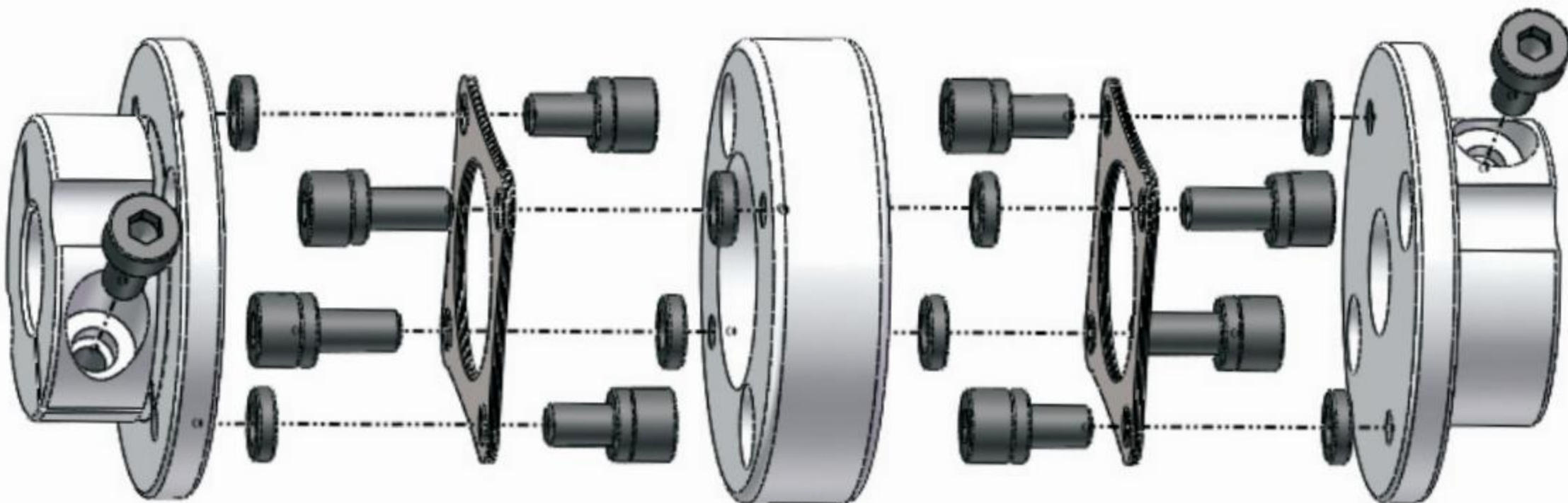
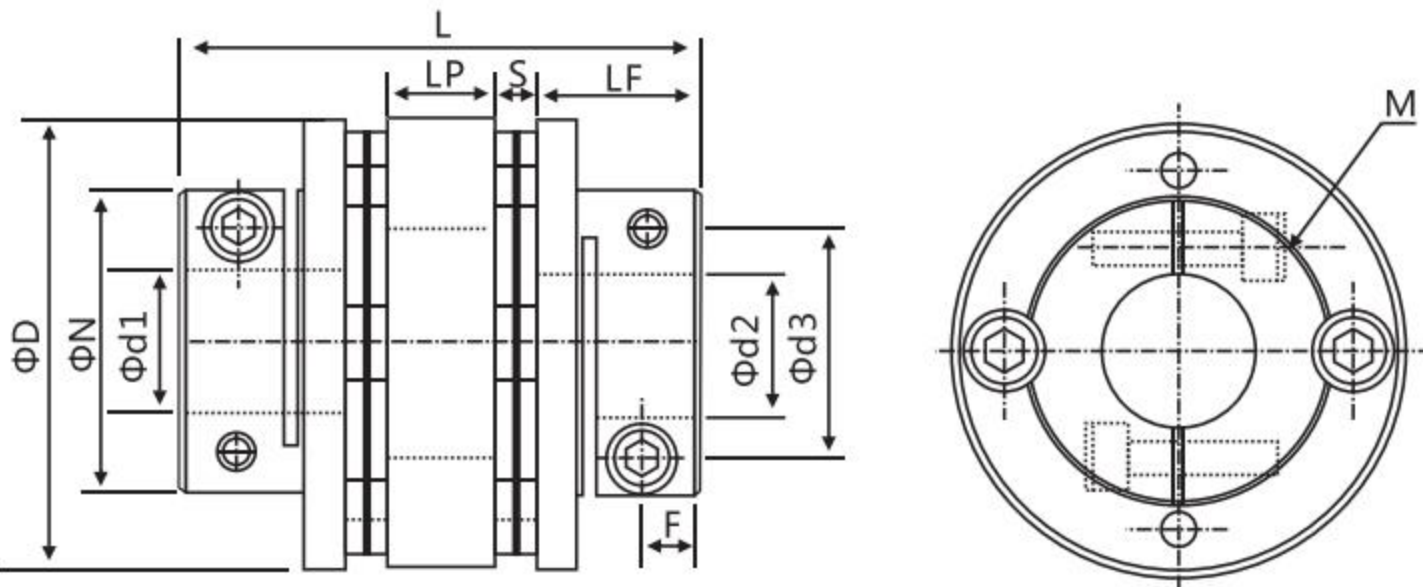
Features：

- >High strength aluminum alloy shaft sleeve
- >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 for servo and stepper motors
- >The gap-free shaft and shaft sleeve connection is suitable for forward and reverse rotation
- >Low inertia, suitable for high speed operation
- >Clamping screw tightening method

外径 Φ19~Φ44



外径 Φ50~Φ126



型号举例/Example: PLT - □□ / □□ - □□ / □□

系列号 外径 长度 d1轴径 d2轴径
Series Diameter Length d1Bore d2Bore
例: PLT-44 / 47-10 / 14
P: Puladuo(普拉多)
L: Long(长型双膜片)
T: Steps/Tai Jia(台阶式)
44: Diameter (外径尺寸)
47: Length (总长度)
10: d1bore (d1轴径尺寸)
14: d2bore (d2轴径尺寸)

Note: If additional key slots are required, they will be custom-made in non-standard form. Please add "K" after the model number and shaft diameter size.
Example: PS-44/47-10k/14k, indicates that both inner holes have key slots.

Dimensions Table

(单位: mm)

product model	Common inner diameter sizes of d1/d2	ΦD	ΦN	L	LF	Φd3	LP	S	M	Tighten the torque (N.m)
PLT-32 / 40	5-6-6.35-7-8-9-10	32	22	40	13.7	15	6.8	3.2	M3	1.5
PLT-34 / 38	5-6-6.35-7-8-9-9.525-10-11-12	34	21.6	38	12.15	16	7.3	3.2	M3	1.2
PLT-39 / 47	6-8-9-9.525-10-11-12-12.7-14-15	39	25	47	15.15	19	8.3	4.2	M4	2.5
PLT-40 / 46	6-8-9-9.525-10-11-12-12.7-14-15	40	28	46	16.5	19	8.3	4.2	M4	2.5
PLT-44 / 47	6-8-9-9.525-10-11-12-12.7-14-15-16-17-18	44	29.6	47	15.15	22.5	8.3	4.5	M4	2.5
PLT-50 / 52	8-9-9.525-10-11-12-14-15-16-18-19-20	50	39	52	19.4	23	7.5	4.55	M5	7
PLT-50 / 53	8-9-9.525-10-11-12-14-15-16-18-19-20	50	32	53	18.25	23	7.5	4.55	M5	5
PLT-56 / 57	8-9-9.525-10-11-12-14-15-16-18-19-20	56	38	57	19.9	32.5	6.8	5.2	M5	5
PLT-63 / 58	10-11-12-14-15-16-18-19-20-25	63	45	58	22.3	32.5	9.0	6.0	M6	12
PLT-68 / 68	14-15-16-17-18-19-20-22-24-25-28-30	68	46	68	23.5	38.3	9.0	6.0	M6	8
PLT-82 / 87	17-18-19-20-22-24-25-28-30-32-35-38	82	56	87	30.15	45	11.3	7.7	M8	20

备注：联轴器两端内孔由最小和最大内径自由组合,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.

Technical Parameters

(单位: mm)

product model	Rated torque (N.m)	Permissible eccentricity (mm)	Allowable offset angle (°)	Allow for axial deviation (mm)	permissible revolution (RPM)	Static torsional stiffness (N.m/rad)	Moment of inertia (N.m)	Coupling weight (g)
PLT-32 / 40	2	0.15	2	±0.4	19000	1000	6.2×10 ⁻⁶	48
PLT-34 / 38	2	0.12	1.5	±0.18	10000	1300	6.95×10 ⁻⁶	19
PLT-39 / 47	4.5	0.15	1.5	±0.23	10000	2200	7.5×10 ⁻⁶	85
PLT-40 / 46	4	0.2	2	±0.5	15000	1500	1.6×10 ⁻⁵	81
PLT-44 / 47	6.75	0.17	1.5	±0.27	10000	2800	9.1×10 ⁻⁶	107
PLT-50 / 52	7.5	0.2	2	±0.6	12000	2000	4.6×10 ⁻⁵	150
PLT-50 / 53	15	0.17	1.5	±0.30	10000	3500	3.1×10 ⁻⁵	151
PLT-56 / 57	20	0.17	1.5	±0.36	10000	4000	8.7×10 ⁻⁵	196
PLT-63 / 58	10	0.3	2	±0.8	10000	2500	1.1×10 ⁻⁴	230
PLT-68 / 68	50	0.18	1.5	±0.40	9000	6200	2.3×10 ⁻⁴	374
PLT-82 / 87	75	0.18	1.5	±0.50	8000	8300	2.1×10 ⁻⁴	645

备注：以上惯性力矩和各项技术参数由最大孔径为标准所测的的数据，最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。

PST - Aluminum alloy stepped single diaphragm clamping coupling

PST - Aluminum alloy stepped single diaphragm clamping coupling

Made of high-strength aluminum alloy and treated with surface anodic oxidation.

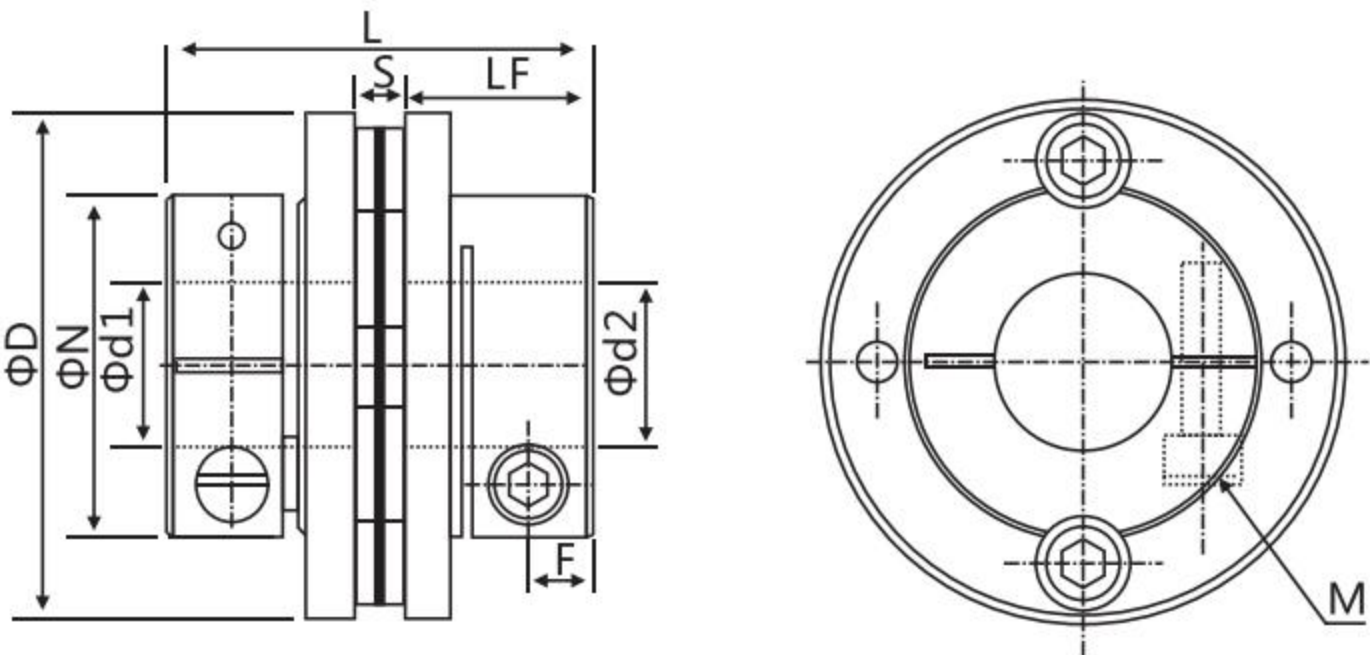
特点：

- >轴套采用高强度铝合金
- >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
- >无间隙的轴和轴套连接，适用于正反转
- >低惯量，适用于高速运转
- >夹紧螺丝紧固方式

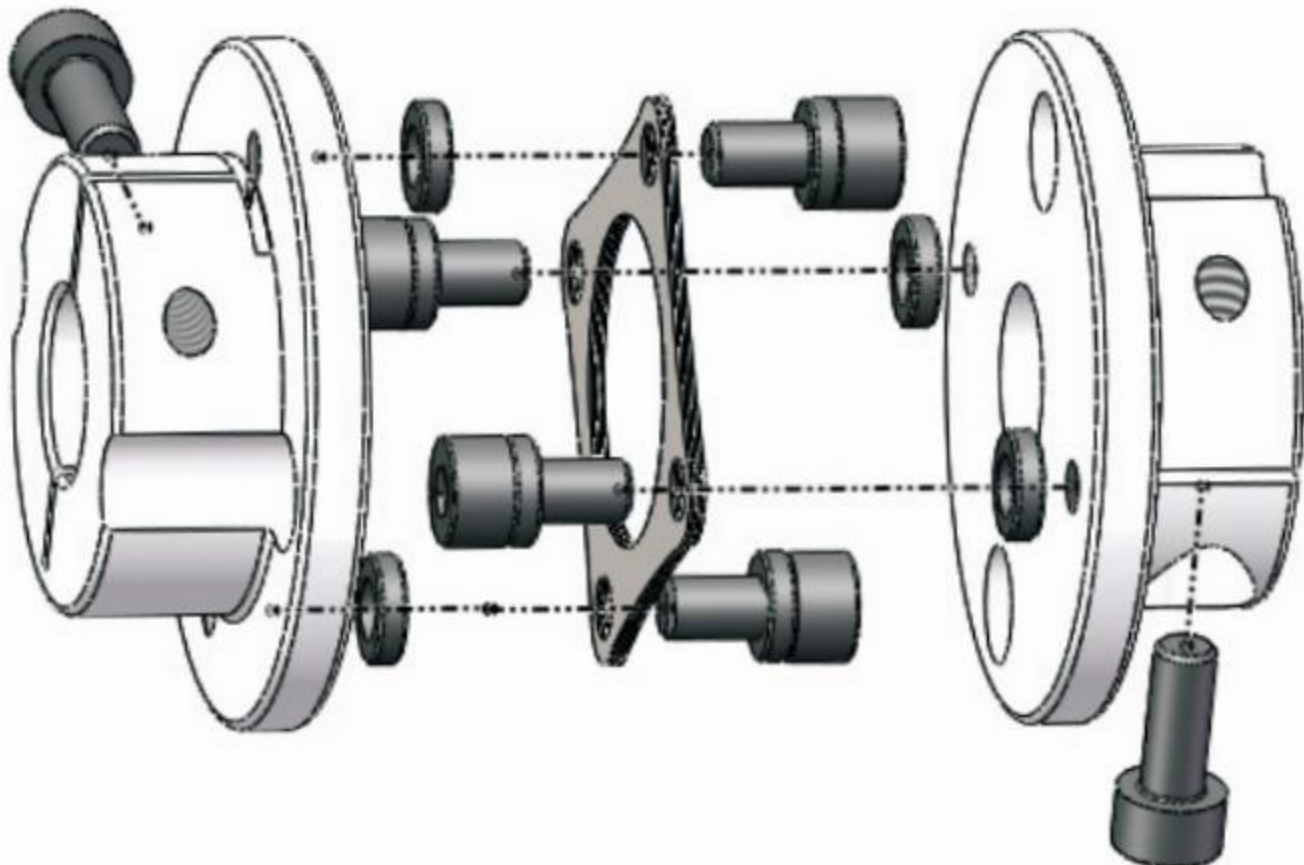
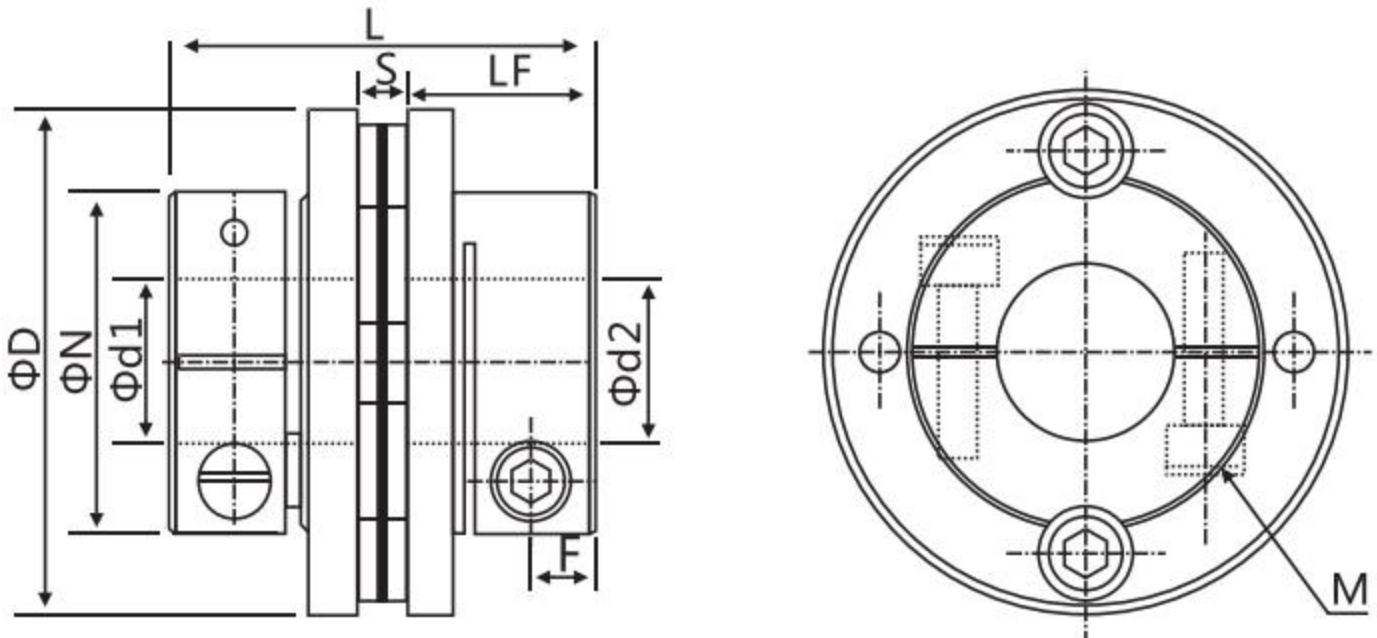
Features：

- > The shaft sleeve is made of high-strength aluminum alloy
- > 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
- > The gap-free shaft and shaft sleeve connection is suitable for forward and reverse rotation
- > Low inertia, suitable for high speed operation
- > Clamping screw tightening method

外径 Φ19~Φ44



外径 Φ50~Φ126



PST - Aluminum alloy stepped single diaphragm clamping coupling

型号举例/Example: PST - □□ / □□ - □□ / □□

系列号 外径 长度 d1轴径 d2轴径
Series Diameter Length d1Bore d2Bore

例: PST-44 / 34.5-10 / 14

P: Puladuo(普拉多)

S: Short(短型单膜片)

T: Steps/Tai Jia(台阶式)

44: Diameter (外径尺寸)

34.5: Length (总长度)

10: d1bore (d1轴径尺寸)

14: d2bore (d2轴径尺寸)

Note: If additional key slots are required, they will be custom-made in non-standard form. Please add "K" after the model number and shaft diameter size.

Example: PS-44/4.5-10k/14k, indicates that both inner holes have key slots.

Dimensions Table

(单位: mm)

product model	Common inner diameter sizes of d1/d2	ΦD	ΦN	L	LF	S	F	M	Tighten the torque (N.m)
PST-32/32	6-8-10	32	22	32	13.7	3.2	4	M3	1.5
PST-34/27.5	5-6-6.35-7-8-9-9.525-10-11-12	34	21.6	27.5	12.15	3.2	3.8	M3	1.2
PST-39/34.5	6-8-9-9.525-10-11-12-12.7-14-15	39	25	34.5	15.15	4.2	5.0	M4	2.5
PST-40/38	8-10-11-12-14	40	28	38	16.5	3.2	6	M4	2.5
PST-44/34.5	6-8-9-9.525-10-11-12-12.7-14-15-16-17-18	44	29.6	34.5	15.15	4.2	5.0	M4	2.5
PST-50/41	10-11-12-12.7-14-15-16-17-18-19-20	50	32	41	18.25	4.5	5.5	M5	5
PST-50/44	12-14-15-16-18-19-20	50	39	44	19.4	4.5	7	M5	7
PST-56/45	10-12-12.7-14-15-16-17-18-19-20-22-24	56	38	45	19.9	5.2	6.3	M5	5
PST-63/50	15-16-18-19-20-25	63	45	50	22.3	5.0	8	M6	12
PST-68/50	14-15-16-17-18-19-20-22-24-25-28-30	68	46	50	23.5	6.0	7.5	M6	8
PST-82/68	17-18-19-20-22-24-25-28-30-32-35-38	82	56	68	30.15	7.7	9.0	M8	20

备注：联轴器两端内孔由最小和最大内径自由组合,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.

Technical Parameters

(单位: mm)

product model	Rated torque (N.m)	Permissible eccentricity (mm)	Allowable offset angle (°)	Allow for axial deviation (mm)	permissible revolution (RPM)	Static torsional stiffness (N.m/rad)	Moment of inertia (N.m)	Coupling weight (g)
PST-32/32	2	0.1	1	±0.2	19000	1300	4.5×10 ⁻⁶	38
PST-34/27.5	2	0.1	1	±0.18	10000	1500	3.83×10 ⁻⁶	30
PST-39/34.5	4.5	0.1	1	±0.23	10000	2450	7.5×10 ⁻⁶	52
PST-40/38	4	0.1	1	±0.2	15000	2800	1.2×10 ⁻⁵	66
PST-44/34.5	6.75	0.1	1	±0.27	10000	3000	9.1×10 ⁻⁶	68.5
PST-50/41	15	0.1	1	±0.30	10000	3800	2.5×10 ⁻⁵	110
PST-50/44	7.5	0.1	1	±0.2	12000	3700	3.7×10 ⁻⁵	120
PST-56/45	20	0.1	1	±0.36	10000	4200	5.1×10 ⁻⁵	135
PST-63/50	10	0.1	1	±0.2	10000	5000	8.4×10 ⁻⁵	190
PST-68/50	50	0.1	1	±0.40	9000	6500	1.3×10 ⁻⁴	246
PST-82/68	75	0.1	1	±0.50	8000	8600	1.9×10 ⁻⁴	422

备注：以上惯性力矩和各项技术参数由最大孔径为标准所测的的数据，最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。

PNLT-40CR Steel Step-Type Double Diaphragm Clamping Series

PNLT-40CR Steel Step-Type Double Diaphragm Clamping Series

Using 40CR steel material with blackening treatment on the surface and using a clamping screw fastening method

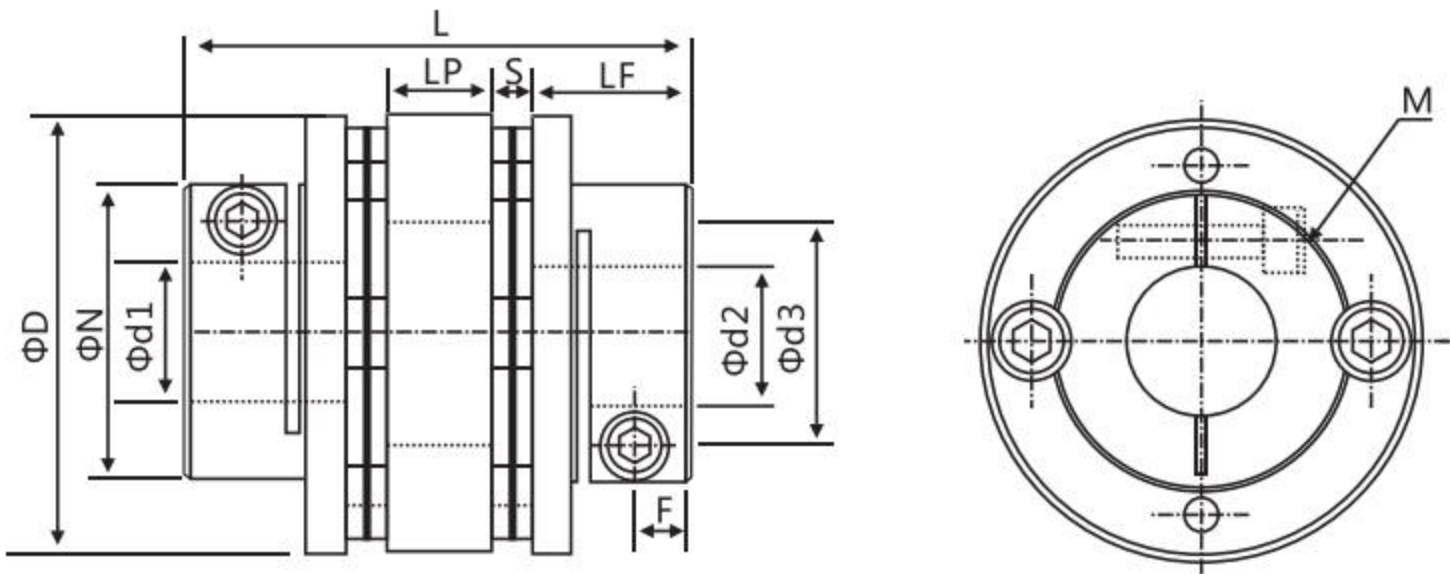
■ 特点：

- >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40CR钢材质
- >夹紧螺丝紧固方式

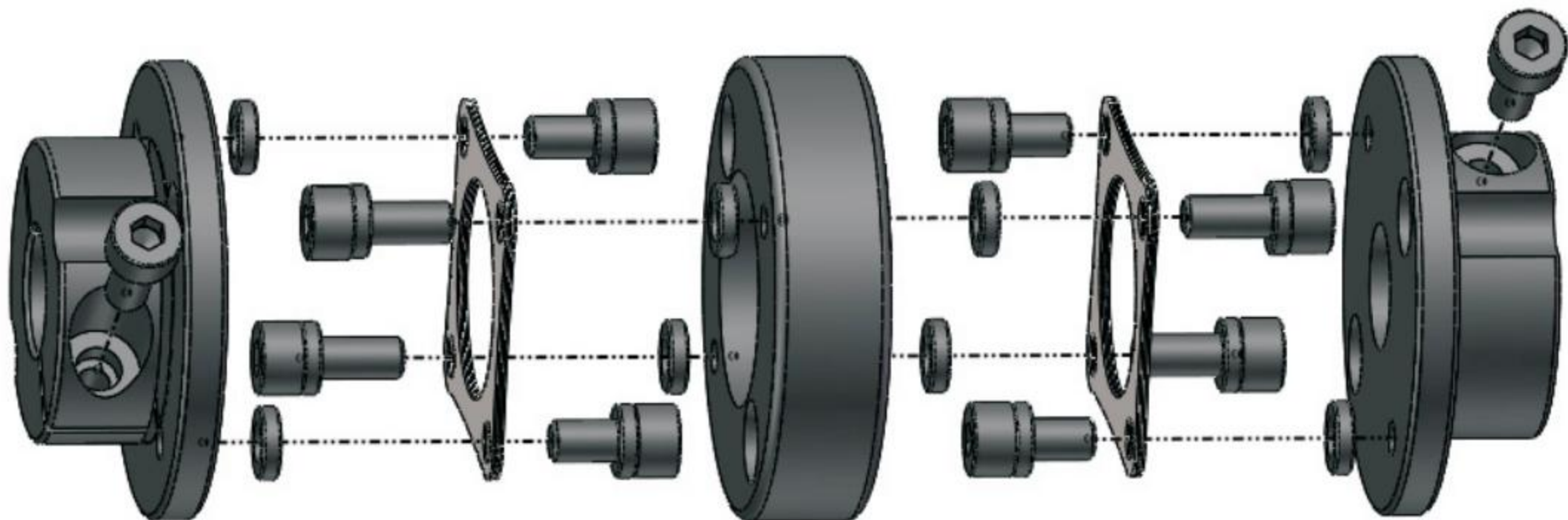
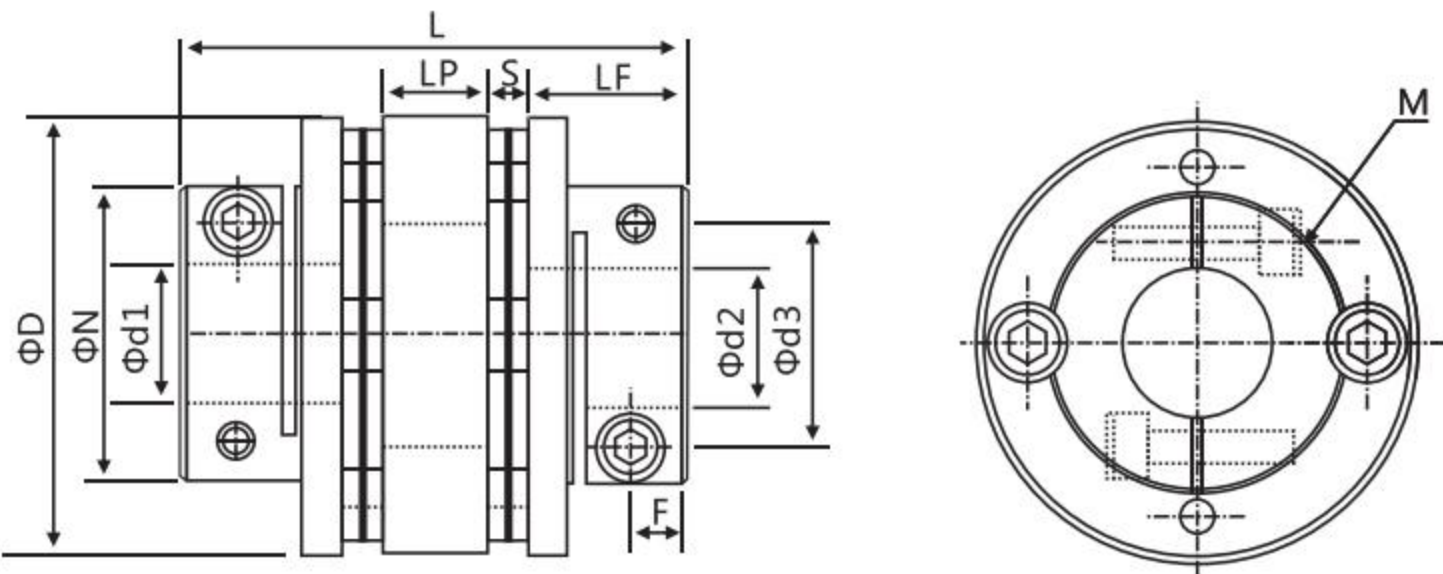
■ Features：

- >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 for servo and stepper motors
- >With keyway design, large torque transmission
- >The gap-free shaft and shaft sleeve connection is suitable for forward and reverse rotation
- >The shaft sleeve is made of 40CR steel
- >Clamping screw tightening method

外径 Φ19~Φ44



外径 Φ56~Φ50



PNLT-40CR Steel Step-Type Double Diaphragm Clamping Series

■ 型号举例/Example: PNLT - □□ / □□ - □□ / □□

系列号 外径 长度 d1轴径 d2轴径
Series Diameter Lenght d1Bore d2Bore
例: PNLT-68 / 75-20 / 22
P: Puladuo(普拉多)
N: N-Type(N型)
L: Long (长型双膜片)
T: Steps/Tai Jia(台阶式)
68: Diameter (外径尺寸)
75: Length (总长度)
20: d1bore (d1轴径尺寸)
22: d2bore (d2轴径尺寸)

Note: If additional key slots are required, they will be custom-made in non-standard form. Please add "K" after the model, shaft diameter size. For example: PNLT-68/75-20K/22K, this indicates that both inner holes have key slots.

Dimensions Table

(单位: mm)

product model	Common inner diameter sizes of d1/d2	ΦD	ΦN	L	LF	LP	S	F	M	Tighten the torque (N.m)
PNLT-32 / 40	6-8-10	32	22	40	13.7	8.9	4.1	3.8	M3	1.5
PNLT-34 / 45	5-6-6.35-7-8-9-9.52-10-11-12	34	21.6	45	13.95	8.9	4.1	3.8	M3	1.2
PNLT-39 / 50	6-8-9-9.525-10-11-12-12.7-14-15	39	25	50	14.7	10.4	5.1	4.5	M4	2.5
PNLT-40 / 46	8-10-11-12-14	40	28	46	16.5	10.4	5.1	4.5	M4	2.5
PNLT-44 / 50	6-8-9-9.525-10-11-12-12.7-14-15-16-17-18	44	29.6	50	14.7	10.4	5.1	4.5	M4	2.5
PNLT-50 / 52	12-14-15-16-18-19-20	50	39	52	19.4	10.6	5.4	4.5	M5	7
PNLT-50 / 57	10-11-12-12.7-14-15-16-17-18-19-20	50	32	57	17.8	10.6	5.4	5.5	M5	5
PNLT-56 / 64	12-12.7-14-15-16-17-18-19-20-22	56	38	64	19.45	12.9	6.1	6.0	M5	5
PNLT-63 / 58	15-16-18-19-20-25	63	45	58	22.3	15.1	6.1	6.0	M6	12
PNLT-68 / 75	15-16-17-18-19-20-22-24-25	68	46	75	23.05	21.4	6.9	7.7	M8	8
PNLT-82 / 98	17-18-19-20-22-24-25-28-30-32	82	56	98	29.7	21.4	8.6	9.0	M10	20

备注：联轴器两端内孔由最小和最大内径自由组合,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.

Technical Parameters

(单位: mm)

product model	Rated torque (N.m)	Permissible eccentricity (mm)	Allowable offset angle (°)	Allow for axial deviation (mm)	permissible revolution (RPM)	Static torsional stiffness (N.m/rad)	Moment of inertia (N.m)	Coupling weight (g)
PNLT-32 / 40	2	0.15	2	±0.4	5000	1000	6.2×10 ⁻⁶	48
PNLT-34 / 45	4.5	0.1	1	±0.18	5000	1450	1.25×10 ⁻⁵	140
PNLT-39 / 50	9	0.1	1	±0.23	5000	2200	3.3×10 ⁻⁵	200
PNLT-40 / 46	4	0.2	2	±0.5	15000	1500	1.6×10 ⁻⁵	81
PNLT-44 / 50	13	0.1	1	±0.13	5000	20500	4.2×10 ⁻⁵	300
PNLT-50 / 52	7.5	0.2	2	±0.6	12000	2000	4.6×10 ⁻⁵	150
PNLT-50 / 57	24	0.1	1	±0.30	5000	3920	5.6×10 ⁻⁵	420
PNLT-56 / 64	37	0.1	1	±0.36	5000	4480	1.8×10 ⁻⁴	546
PNLT-63 / 58	10	0.3	2	±0.8	10000	2500	1.1×10 ⁻⁴	230
PNLT-68 / 75	90	0.1	1	±0.40	4500	6900	4.5×10 ⁻⁴	910
PNLT-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最大孔径为标准所测的的数据，最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。

PNST-40CR Steel Step Single Diaphragm Clamping Coupling

PNST-40CR Steel Step Single Diaphragm Clamping Coupling

The diaphragm is designed with a 304 stainless steel cup head bolt fastening method.

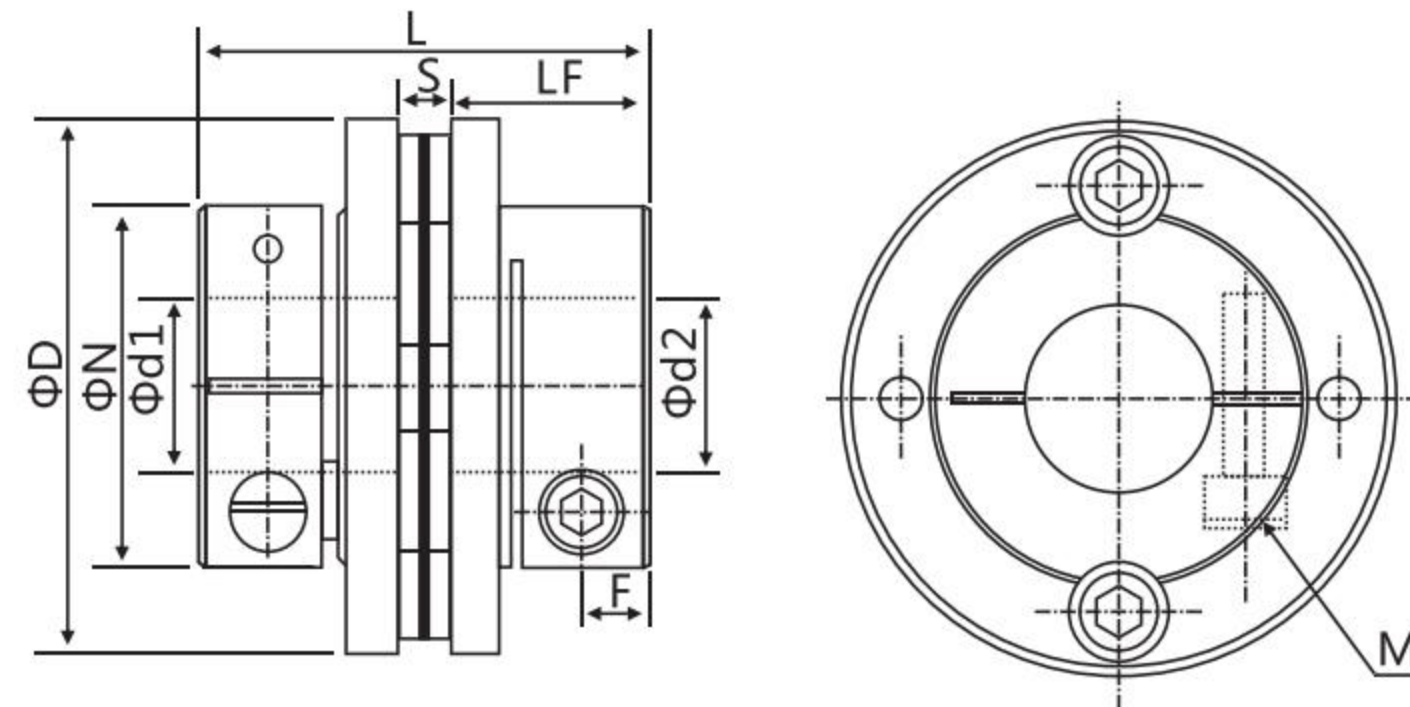
■ 特点：

- >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40CR钢材质
- >夹紧螺丝紧固方式

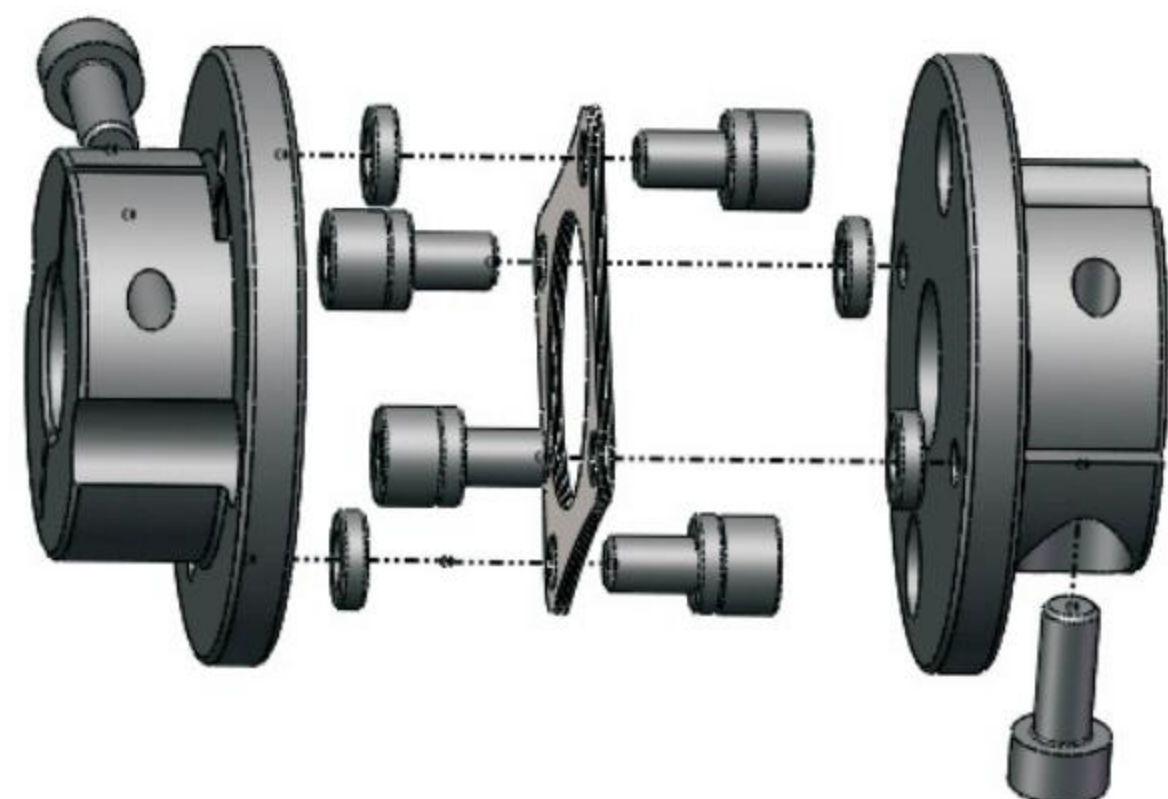
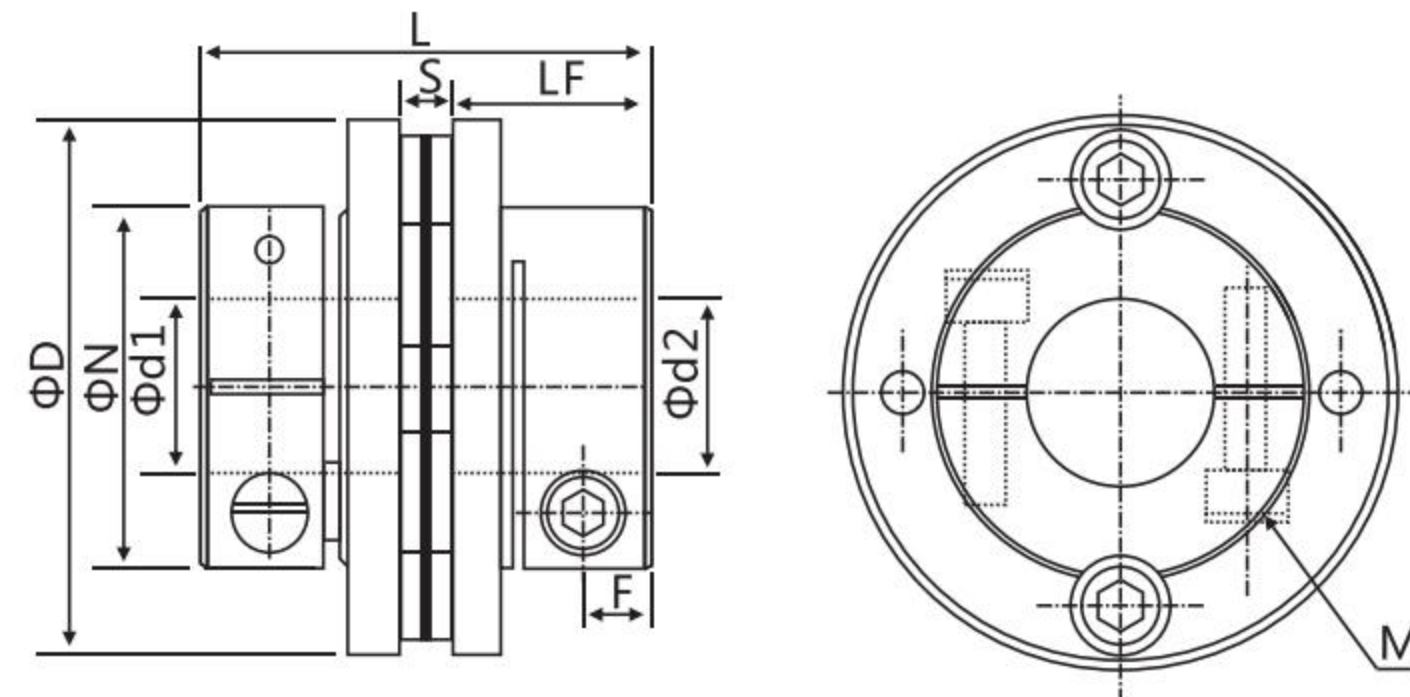
■ Features：

- > 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 suitable for forward and reverse rotation
- > The shaft sleeve is made of 40CR steel
- > Tightening method of positioning screw

外径 $\Phi 19 \sim \Phi 44$



外径 $\Phi 50 \sim \Phi 126$



PNLT-40CR Steel Step-Type Double Diaphragm Clamping Series

■ 型号举例/Example: PNST - □□ / □□ - □□ / □□

系列号 外径 长度 d1轴径 d2轴径
Series Diameter Length d1Bore d2Bore

例: PNST-56 / 45-20 / 22

P: Puladuo(普拉多)

N: N-Type(N型)

S: Short (短型单膜片)

T: Steps/Tai Jia(台阶式)

56: Diameter (外径尺寸)

45: Length (总长度)

20: d1bore (d1轴径尺寸)

22: d2bore (d2轴径尺寸)

Note: If additional key slots are required, they will be custom-made in non-standard form. Please add "K" after the model, shaft diameter and size, for example: PNST-56I45-20K122K, which indicates that both inner holes have key slots.

Dimensions Table

(单位: mm)

product model	Common inner diameter sizes of d1/d2	ΦD	ΦN	L	LF	S	F	M	Tighten the torque (n.m)
PNST-32/32	6-8-10	32	22	32	13.7	4.1	4	M3	1.5
PNST-34/32	5-6-6.35-7-8-9-9.525-10-11-12	34	21.6	32	13.95	4.1	3.8	M3	1.2
PNST-39/34.5	6-8-9-9.525-10-11-12-12.7-14-15	39	25	34.5	14.7	5.1	4.5	M4	2.5
PNST-40/38	8-10-11-12-14	40	28	38	16.5	5.1	6	M4	2.5
PNST-44/34.5	6-8-9-9.525-10-11-12-12.7-14-15-16-17-18	44	29.6	34.5	14.7	5.1	4.5	M4	2.5
PNST-50/41	10-11-12-12.7-14-15-16-17-18-19-20	50	32	41	17.8	5.4	5.5	M5	5
PNST-50/44	12-14-15-16-18-19-20	50	39	44	19.4	5.4	7	M5	7
PNST-56/45	12-12.7-14-15-16-17-18-19-20-22-24	56	38	45	19.45	6.1	6.0	M5	5
PNST-63/50	15-16-18-19-20-25	63	45	50	23.3	6.0	8	M6	12
PNST-68/53	15-16-17-18-19-20-22-24-25	68	46	53	23.05	6.9	7.7	M6	8
PNST-82/68	17-18-19-20-22-24-25-28-30-32	82	56	68	29.7	8.6	9.0	M8	20

备注：联轴器两端内孔由最小和最大内径自由组合,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。

Technical Parameters

(单位: mm)

product model	Rated torque (N.m)	Permissible eccentricity (mm)	Allowable offset angle ($^{\circ}$)	Allow for axial deviation (mm)	permissible revolution (RPM)	Static torsional stiffness (N.m/rad)	Moment of inertia (N.m)	Coupling weight (g)
PNST-32/32	2	0.1	1	± 0.2	19000	1300	4.5×10^{-6}	38
PNST-34/32	4.5	0.1	1	± 0.18	5000	1660	1.25×10^{-5}	84
PNST-39/34.5	9	0.1	1	± 0.23	5000	2500	3.3×10^{-5}	145
PNST-40/38	4	0.1	1	± 0.2	15000	2800	1.2×10^{-5}	66
PNST-44/34.5	13	0.1	1	± 0.27	5000	3360	4.2×10^{-5}	200
PNST-50/41	24	0.1	1	± 0.30	5000	4256	5.4×10^{-5}	300
PNST-50/44	7.5	0.1	1	± 0.2	12000	3700	3.7×10^{-5}	120
PNST-56/45	37	0.1	1	± 0.36	5000	4700	1.5×10^{-4}	420
PNST-63/50	10	0.1	1	± 0.2	10000	5000	8.4×10^{-5}	190
PNST-68/53	90	0.1	1	± 0.40	4500	7200	3.7×10^{-4}	700
PNST-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最大孔径为标准所测的的数据，最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。

PLZT-40CR Steel Eight-Screw High-Strength Double Diaphragm Expansion Sleeve Series

PLZT-40CR Steel Eight-Screw High-Strength Double Diaphragm Expansion Sleeve Series

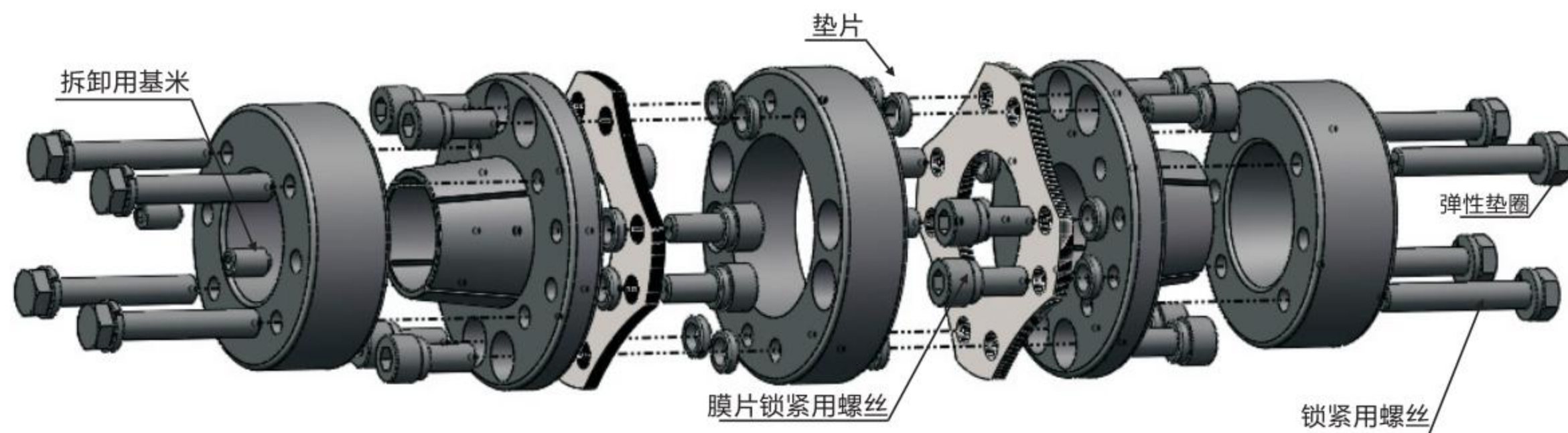
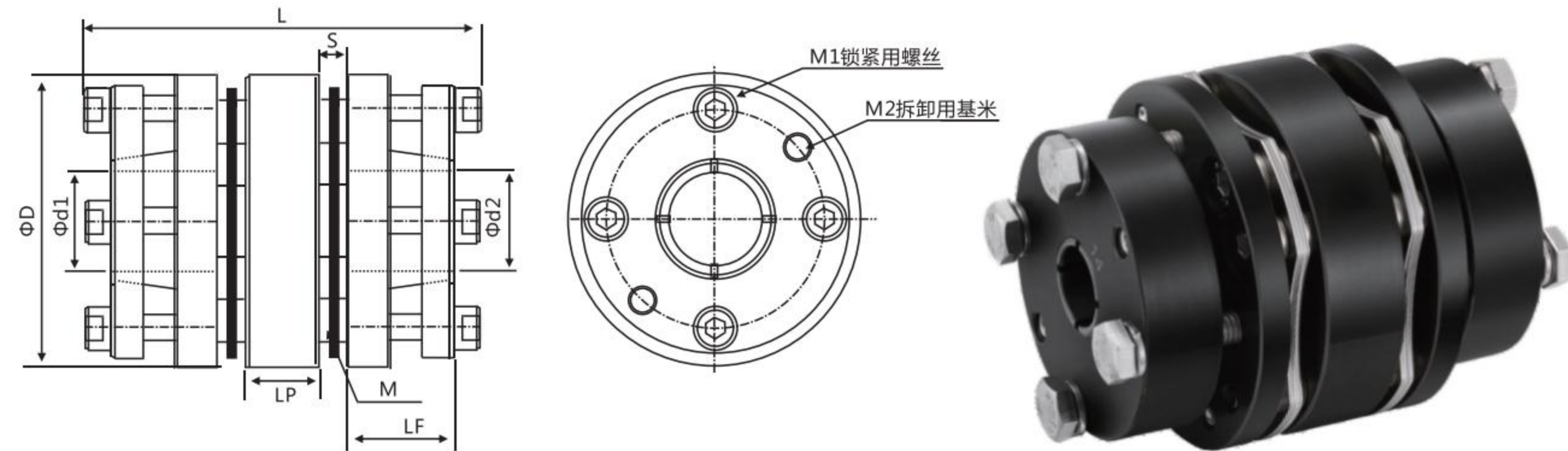
Made of 40CR steel, with blackening treatment on the surface

■ 特点:

- >主体采用40CR钢材材料, 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

■ Features:

- >Bushings made of 40CR 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 stainless steel
- >Adopt the multi-lateral arc type 8 screw diaphragm, With high accuracy and large torque
- >Large torque is transferred, 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, step motor and screw shaft



■ 型号举例/Example: PLZT - □□ / □□ - □□ / □□

系列号 外径 长度 d1轴径 d2轴径
Series Diameter Length d1Bore d2Bore

例: PLZT-56 / 84.5-20 / 22
P: Puladuo(普拉多)
L: Long(长型双膜片)
Z: Locking/Zhang tao (胀套)
T: Steps(8螺丝台阶系列)
56: Diameter (外径尺寸)
84.5: Length (总长度)
20: d1bore (d1轴径尺寸)
22: d2bore (d2轴径尺寸)

PLZT-40CR Steel Eight-Screw High-Strength Double Diaphragm Expansion Sleeve Series

Dimensions Table

(单位: mm)

product model	Common inner diameter sizes of d1/d2	ΦD	L	LF	LP	S	M	M1	M2
PLZT-56 / 84.5	12-12.7-14-15-16-17-18-19-20-22-24-25	56	84.5	24.5	13.5	6	M5	M5	M5
PLZT-65 / 90.2	14-15-16-17-18-19-20-22-24-25-28-30-32-35	65	90.2	25.8	14.6	7	M6	M6	M6
PLZT-87 / 107	16-17-18-19-20-22-24-25-30-32-35	87	107	26.25	19	8.5	M8	M6	M6
PLZT-94 / 108	16-18-19-20-22-24-25-28-30-32-35-40-45-48	94	108	28.5	20	9.5	M8	M6	M6
PLZT-104 / 112	20-25-28-30-32-35-38-40-45-48-50-55-60	104	112	26.75	21	10.5	M10	M6	M6
PLZT-126 / 121	20-25-28-30-32-35-38-40-45-48-50-55-60-62-65	126	121	29.7	21	12.6	M10	M8	M6
PLZT-126 / 201	20-25-28-30-32-35-38-40-45-48-50-55-60-62-65	126	201	62	37	12	⊗	M8	⊗
PLZT-144 / 228	20-25-28-30-32-35-38-40-45-48-50-55-60-62-65	114	228	71	46	12	⊗	M8	⊗

备注: 联轴器两端内孔由最小和最大内径自由组合, 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, 请联系客服或业务员等相关技术人员咨询详细参数。

Technical Parameters

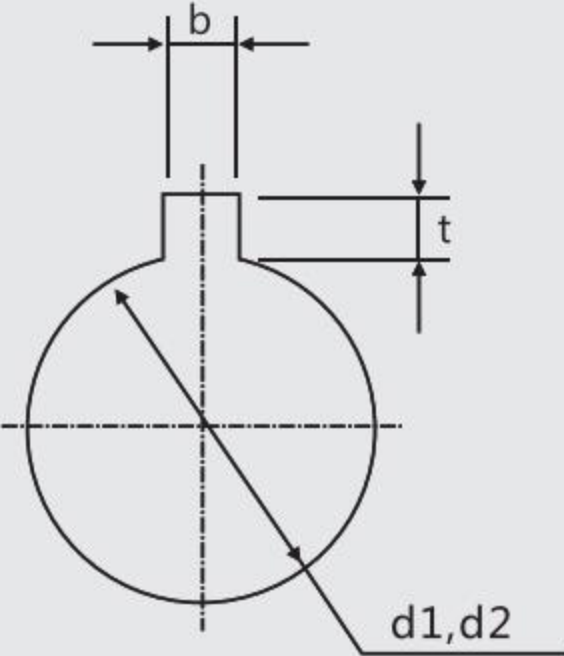
(单位: mm)

product model	Rated torque (N.m)	Permissible eccentricity (N.m)	permissible revolution (RPM)	inertia moment (N.m)	Static torsional stiffness (N.m/rad)	Allowing favoritism (mm)	Allowable offset angle (°)	Allow for axial deviation (mm)	Coupling weight (g)
PLZT-56 / 84.5	75	150	7700	6.1×10^{-5}	2.7×10^4	0.02	0.5	±0.5	800
PLZT-65 / 90.2	105	210	7000	8.2×10^{-4}	3.8×10^4	0.02	0.5	±0.5	1250
PLZT-87 / 107	195	390	6000	1.3×10^{-3}	5.0×10^4	0.02	0.5	±0.5	1620
PLZT-94 / 108	270	540	4500	2.56×10^{-3}	1.2×10^4	0.02	0.5	±0.5	2410
PLZT-104 / 112	420	840	4500	7.65×10^{-3}	1.3×10^4	0.02	0.5	±0.5	2530
PLZT-126 / 121	675	1350	4500	1.67×10^{-2}	2.7×10^5	0.02	0.5	±0.5	5320

备注: 以上惯性力矩和各项技术参数由最大孔径为标准所测得的数据, 最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。

Key Groove Processing Dimension Comparison Table

(单位: mm)

shaft stick size	Keyway standard processing dimensions				Keyway size	Keyway Machining Standard Drawing
d1/d2	b		t		(bXh)	
	Slot width	tolerance	Slot depth	tolerance		
Φ6~Φ7.9	2	±0.0125	1.0	+0.10	2×2	
Φ8~Φ10	3	±0.0150	1.4		3×3	
Φ10.1~Φ12	4		1.8		4×4	
Φ12.1~Φ17	5		2.3		5×5	
Φ17.1~Φ22	6	±0.0180	2.8	+0.20	6×6	
Φ22.1~Φ30	8		3.3		8×7	
Φ30.1~Φ38	10	±0.0215	3.3		10×8	
Φ38.1~Φ44	12		3.8		12×8	
Φ44.1~Φ50	14		4.3		14×9	
Φ50.1~Φ58	16		4.4		16×10	
Φ58.1~Φ65	18		4.4		18×11	

PSZT-40CR Steel Eight-Screw High-Strength Single Diaphragm Expansion Sleeve Series

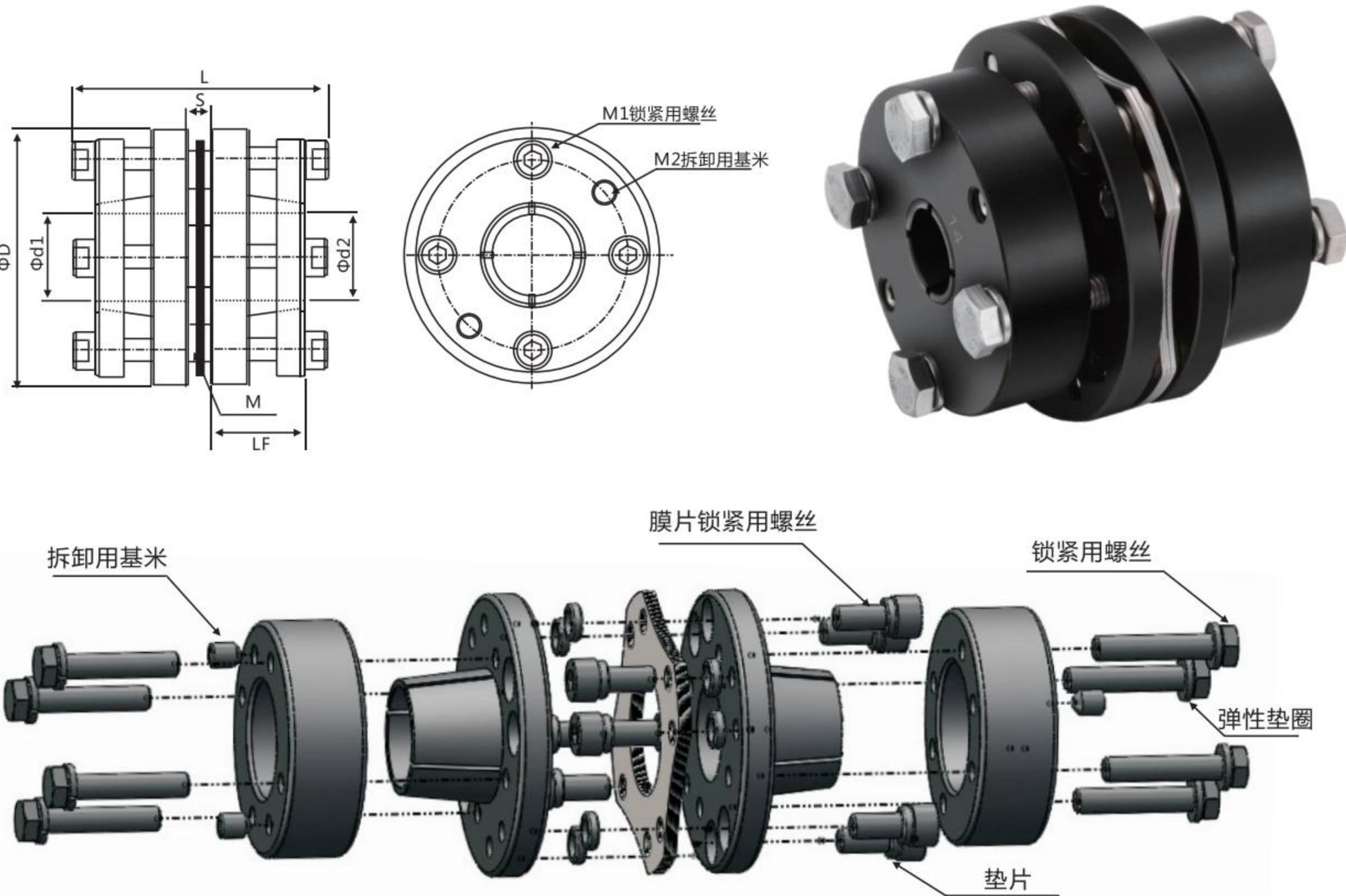
PLZT-40CR Steel Eight-Screw High-Strength Double Diaphragm Expansion Sleeve Series

Made of 40CR steel material, with 8-screw membrane in a polygonal arc shape

- 特点:

 - >主体采用40CR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
- Features:

 - >Bushings made of 40CR 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 stainless steel
 - >Adopt the multi-lateral arc type 8 screw diaphragm, With high accuracy and large torque
 - >Large torque is transferred, 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



- 型号举例/Example: PSZT - □□ / □□ - □□ / □□
- 系列号 外径 长度 d1轴径 d2轴径
Series Diameter Lenght d1Bore d2Bore
- 例: PSZT-56 / 65-20 / 22
P: Puladuo(普拉多)
S: Short(短型单膜片)
Z: Locking/Zhang tao (胀套)
T: Steps(8螺丝台阶系列)
56: Diameter (外径尺寸)
65: Length (总长度)
20: d1bore (d1轴径尺寸)
22: d2bore (d2轴径尺寸)

PSZT-40CR Steel Eight-Screw High-Strength Single Diaphragm Expansion Sleeve Series

Dimensions Table (单位: mm)

product model	Common inner diameter sizes of d1/d2	ΦD	L	LF	S	M	M1	M2
PSZT-56/65	12-12.7-14-15-16-17-18-19-20-22-24-25	56	65	24.5	6	M5	M5	M5
PSZT-65/68.6	14-15-16-17-18-19-20-22-24-25-28-30-32-35	65	68.6	25.8	7	M6	M6	M6
PSZT-87/77	16-17-18-19-20-22-24-25-30-32-35	87	77	26.25	8.5	M8	M6	M6
PSZT-94/78	16-18-19-20-22-24-25-28-30-32-35-40-45-48	94	78	28.5	9.5	M8	M6	M6
PSZT-104/80	20-25-28-30-32-35-38-40-45-48-50-55-60	104	80	26.75	10.5	M10	M6	M6
PSZT-126/88	20-25-28-30-32-35-38-40-45-48-50-55-60-62-65	126	88	29.7	12.6	M10	M8	M6
PSZT-126/152	20-25-28-30-32-35-38-40-45-48-50-55-60-62-65	126	152	62	12	⊗	M8	⊗
PSZT-144/170	20-25-28-30-32-35-38-40-45-48-50-55-60-62-65	144	170	71	12	⊗	M8	⊗

备注: 联轴器两端内孔由最小和最大内径自由组合, 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, 请联系客服或业务员等相关技术人员咨询详细参数.

Technical Parameters (单位: mm)

product model	Rated torque (N.m)	Permissible eccentricity (N.m)	permissible revolution (RPM)	inertia moment (N.m)	Static torsional stiffness (N.m/rad)	Allowing favoritism (mm)	Allowable offset angle (°)	Allow for axial deviation (mm)	Coupling weight (g)
PSZT-56/65	75	150	7700	4.2×10^{-5}	5.3×10^4	0.02	0.5	±0.5	680
PSZT-65/68.6	105	210	7000	3.6×10^{-4}	7.5×10^4	0.02	0.5	±0.5	1000
PSZT-87/77	195	390	6000	1.2×10^{-3}	1.0×10^5	0.02	0.5	±0.5	1230
PSZT-94/78	270	540	4500	2.0×10^{-3}	2.3×10^5	0.02	0.5	±0.5	2000
PSZT-104/80	420	840	4500	2.95×10^{-3}	2.6×10^5	0.02	0.5	±0.5	2100
PSZT-126/88	675	1350	4500	6.35×10^{-3}	7.4×10^5	0.02	0.5	±0.5	4150

备注: 以上惯性力矩和各项技术参数由最大孔径为标准所测得的数据, 最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.

Key Groove Processing Dimension Comparison Table (单位: mm)

shaft stick size	Keyway standard processing dimensions				Keyway size	Keyway Maching Standard Drawing
d1/d2	b		t		(bXh)	
	Slot width	tolerance	Slot depth	tolerance		
Φ6~Φ7.9	2	±0.0125	1.0	+0.10	2×2	
Φ8~Φ10	3	±0.0150	1.4		3×3	
Φ10.1~Φ12	4		1.8		4×4	
Φ12.1~Φ17	5		2.3		5×5	
Φ17.1~Φ22	6	±0.0180	2.8	+0.20	6×6	
Φ22.1~Φ30	8		3.3		8×7	
Φ30.1~Φ38	10	±0.0215	3.3		10×8	
Φ38.1~Φ44	12		3.8		12×8	
Φ44.1~Φ50	14		4.3		14×9	
Φ50.1~Φ58	16		4.4		16×10	
Φ58.1~Φ65	18		4.4		18×11	

PLB - Aluminum alloy eight-screw high-strength double-diaphragm clamping series

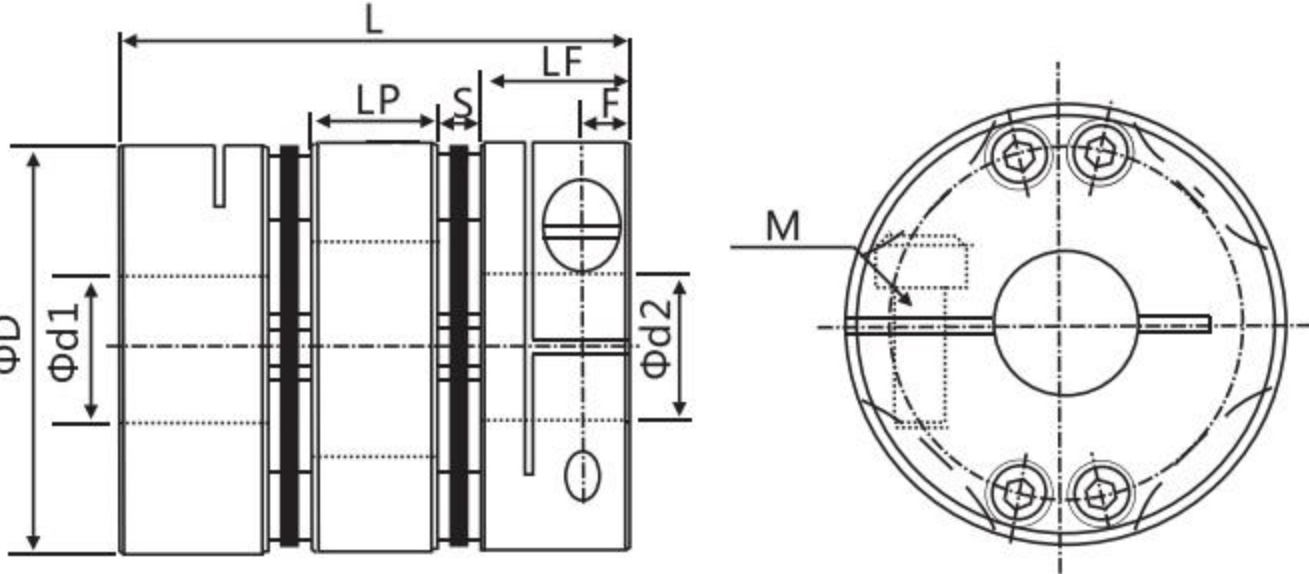
Using high-strength aluminum alloy material for multi-sided curved 8-screw diaphragms

- 特点：

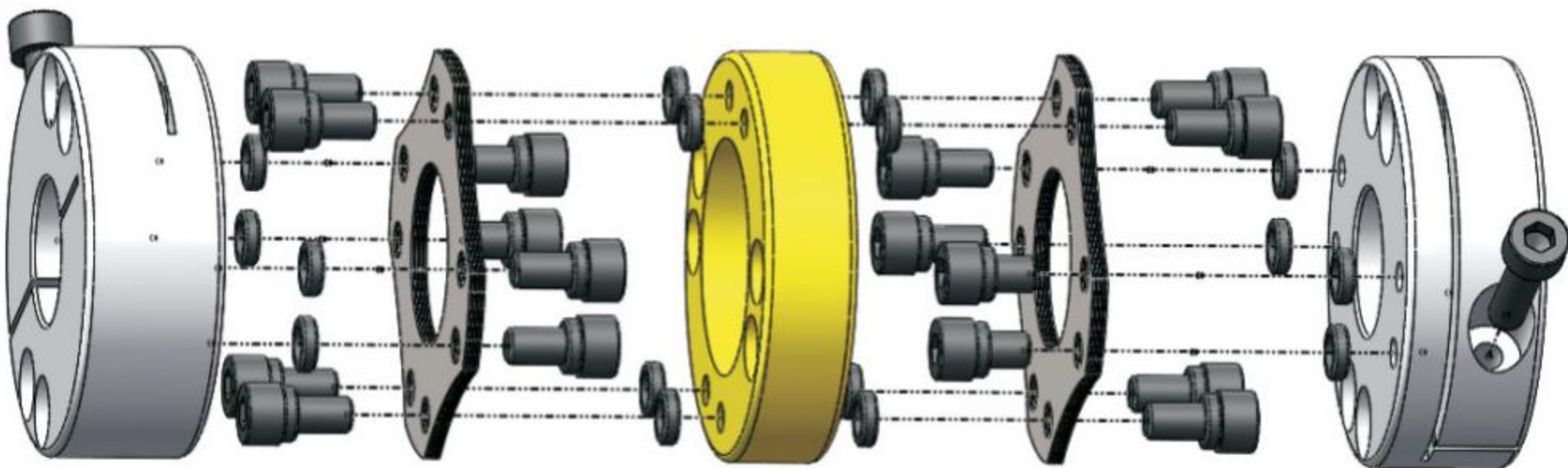
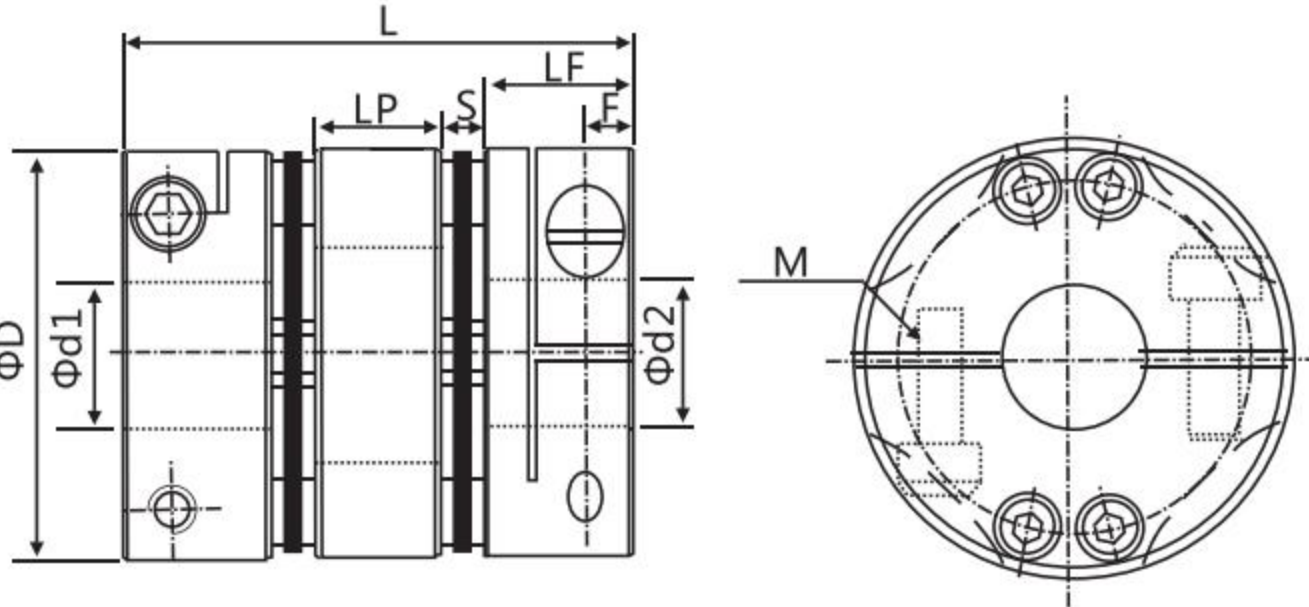
 - >主体采用高强度铝合金材料
 - >产品表面采用阳极氧化处理
 - >膜片采用304不锈钢
 - >采用多边弧型8个螺丝膜片，扭力大
 - >防震动，使用安全可靠、寿命更长
 - >无间隙，顺时针与逆时针回转特性相同
 - >膜片补偿径向，角向和轴向偏差能力强
 - >高刚性、高灵敏度
 - >大力矩传递，传动惯量低
 - >常用于伺服电机，步进电机
- Features:

 - >Bushings made of High-strength aluminum
 - >The surface of the product is treated with anodic oxidation
 - >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 transferred,Low transmission inertia
 - >For servomotor/stepmotor

外径 Φ26~Φ44



外径 Φ50~Φ126



- 型号举例/Example: PLB - □□ / □□ - □□ / □□
- 系列号 外径 长度 d1轴径 d2轴径
Series Diameter Lenght d1Bore d2Bore
- 例: PLB-56 / 64-20 / 22
P: Puladuo(普拉多)
L: Long(长型双膜片)
B: 8 Screws(8螺丝)
56: Diameter (外径尺寸)
64: Length (总长度)
20: d1bore (d1轴径尺寸)
22: d2bore (d2轴径尺寸)

Note: If additional key slots are required, they will be custom-made in non-standard form. Please add "K" after the model, shaft diameter size. For example: PLB-56/64-20K/22K, this indicates that both inner holes have key slots.

Dimensions Table (单位: mm)

product model	Common inner diameter sizes of d1/d2	ΦD	L	LF	LP	S	F	M	Tighten the torque (N.m)
PLB-26/35	4-5-6-6.35-7-8-9-10-11-12	26	35	11.35	5.7	3.3	3.9	M3	1.2
PLB-34/45	5-6-6.35-7-8-9-10-11-12-12.7-14-15-16	34	45	13.95	8.9	4.1	3.9	M3	1.2
PLB-39/50	8-9-10-11-12-12.7-14-15-16-18-19	39	50	14.7	10.4	5.1	5	M4	2.5
PLB-44/50	8-9-10-11-12-12.7-14-15-16-18-20-22-24	44	50	14.7	10.4	5.1	5	M4	2.5
PLB-50/57	8-9-10-11-12-12.7-14-15-16-18-20-22-24-25	50	57	17.8	10.6	5.4	5.8	M5	5
PLB-56/64	10-12-12.7-14-15-16-18-20-22-24-25-28-30	56	64	19.45	12.9	6.1	6.4	M5	5
PLB-65/77	12-14-15-16-18-19-20-22-24-25-30-32-35	65	77	24.3	14.6	6.9	9	M6	8
PLB-87/94	17-18-19-20-22-24-25-28-30-32-35-38-40-42	87	94	29.2	18.4	8.6	9.7	M8	20
PLB-94/98	19-20-22-24-25-28-30-32-35-38-40-42-44-45	94	98	29.7	21.4	8.6	10	M10	40
PLB-104/102	20-22-24-25-30-32-35-38-40-42-45-46-48	104	102	29.7	21.4	10.6	10	M10	40
PLB-126/112	20-22-24-25-30-32-35-38-40-42-48-50-52-55	126	110	32.7	21	12.6	12	M12	75

备注：联轴器两端内孔由最小和最大内径自由组合,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,请联系客服或业务员等相关技术人员咨询详细参数.

Technical Parameters (单位: mm)

product model	rated torque (N.m)	Allowing favoritism (mm)	Allowable offset angle (°)	Allow for axial deviation (mm)	permissible revolution (RPM)	Static torsional stiffness (N.m/rad)	inertia moment (N.m)	Axial sleeve Material	Shrapnel Material	Surface Handle	weight (g)
PLB-26/35	2.2	0.1	1	±0.28	10000	562	3.0×10 ⁻⁶	高强度铝合金	SUS304不锈钢	阳极氧化处理	40
PLB-34/45	4.4	0.1	1	±0.36	10000	1328	9.0×10 ⁻⁶				88
PLB-39/50	8.7	0.1	1	±0.46	10000	1960	3.0×10 ⁻⁵				140
PLB-44/50	13.3	0.1	1	±0.54	10000	2240	3.8×10 ⁻⁵				180
PLB-50/57	27	0.2	1	±0.60	10000	5200	3.0×10 ⁻⁵				310
PLB-56/64	37	0.2	1	±0.60	7700	10000	5.8×10 ⁻⁵				350
PLB-65/77	85	0.2	1	±0.60	6500	14000	1.4×10 ⁻⁴				498
PLB-87/94	180	0.2	1	±0.60	5500	35000	5.7×10 ⁻⁴				1200
PLB-94/98	241	0.2	1	±0.60	5500	40000	1.76×10 ⁻³				2080
PLB-104/102	280	0.25	1	±0.90	4000	70000	3.7×10 ⁻³				2400
PLB-126/112	511	0.25	1	±0.90	4000	75000	3.95×10 ⁻³				2680

备注：以上惯性力矩和各项技术参数由最大孔径为标准所测得的数据，最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。

PSB - Aluminum Alloy Eight-Screw High-Rigidity Single Diaphragm Clamping Series

PSB - Aluminum Alloy Eight-Screw High-Rigidity Single Diaphragm Clamping Series

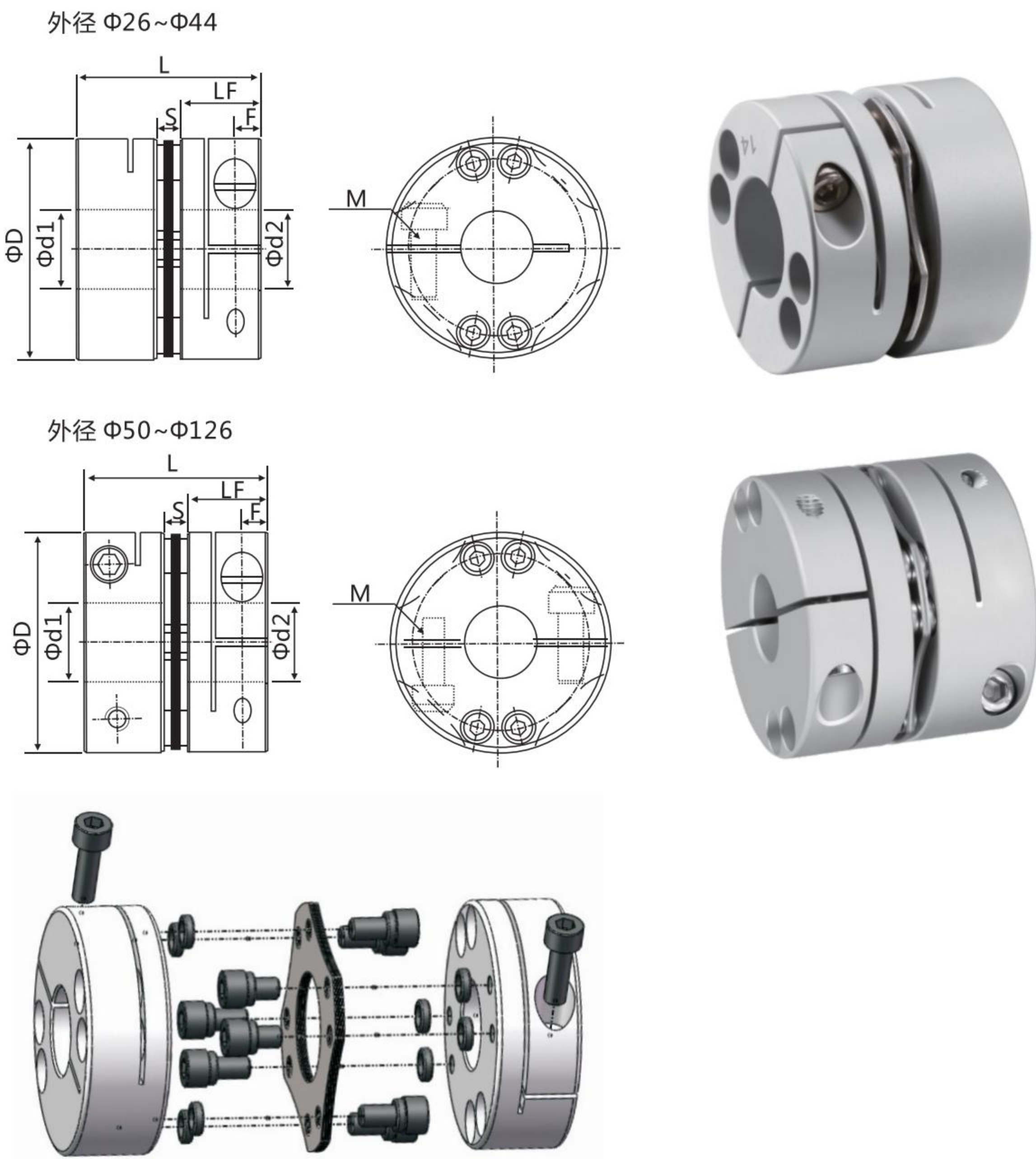
PSB - Aluminum Alloy Eight-Screw High-Rigidity Single Diaphragm Clamping Series

Using high-strength aluminum alloy material for multi-sided curved 8-screw diaphragms

- 特点：

 - >主体采用高强度铝合金材料
 - >产品表面采用阳极氧化处理
 - >膜片采用304不锈钢
 - >采用多边形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
- Features:

 - >Bushings made of High-strength aluminum
 - >The surface of the product is treated with anodic oxidation
 - >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



- 型号举例/Example: PSB - □□ / □□ - □□ / □□
- 系列号 外径 长度 d1轴径 d2轴径
Series Diameter Lenght d1Bore d2Bore
- 例: PSB-34 / 32-8 / 9
P: Puladuo(普拉多)
S: Short(短型单膜片)
B: 8 Screws(8螺丝)
34: Diameter (外径尺寸)
32: Length (总长度)
8: d1bore (d1轴径尺寸)
9: d2bore (d2轴径尺寸)

Note: If additional key slots are required, it will be customized in a non-standard form. Please add "K" after the model, shaft diameter size. For example: PSB-34/32-8K/9K, this indicates that both inner holes have key slots.

Dimensions Table (单位: mm)

product model	Common inner diameter sizes of d1/d2	ΦD	L	LF	S	F	M	Tighten the torque (N.m)
PSB-26 / 26	4-5-6-6.35-7-8-9-10-11-12	26	26	11.35	3.3	3.9	M3	1.2
PSB-34 / 32	5-6-6.35-7-8-9-10-11-12-12.7-14-15-16	34	32	13.95	4.1	3.9	M3	1.2
PSB-39 / 34.5	8-9-10-11-12-12.7-14-15-16-18-19	39	34.5	14.7	5.1	5	M4	2.5
PSB-44 / 34.5	8-9-10-11-12-12.7-14-15-16-18-20-22-24	44	34.5	14.7	5.1	5	M4	2.5
PSB-50 / 41	8-9-10-11-12-12.7-14-15-16-18-20-22-24-25	50	41	17.8	5.4	5.8	M5	5
PSB-56 / 45	10-12-12.7-14-15-16-18-19-20-22-24-25-28-30	56	45	19.45	6.1	6.4	M5	5
PSB-65 / 55.5	12-14-15-16-18-19-20-22-24-25-28-30-32-35	65	55.5	24.3	6.9	9	M6	8
PSB-87 / 67	17-18-19-20-22-24-25-28-30-32-35-38-40-42	87	67	29.2	8.6	9.7	M8	20
PSB-94 / 68	19-20-22-24-25-28-30-32-35-38-40-42-44-45	94	68	29.7	8.6	10	M10	40
PSB-104 / 70	20-22-24-25-28-30-32-35-38-40-42-44-45-46-48	104	70	29.7	10.6	10	M10	40
PSB-126 / 78	20-22-24-25-28-30-32-35-38-40-42-44-45-48-50-52-55	126	78	32.7	12.6	12	M12	75

备注：联轴器两端内孔由最小和最大内径自由组合,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,请联系客服或业务员等相关技术人员咨询详细参数.

Technical Parameters (单位: mm)

product model	rated torque (N.m)	Allowing favoritism (mm)	Allowable offset angle (°)	Allow for axial deviation (mm)	permissible revolution (RPM)	Static torsional stiffness (N.m/rad)	inertia moment (N.m)	Axial sleeve Material	Shaft Material	Surface Handle	weight (g)
PSB-26 / 26	2.2	0.02	0.5	±0.14	10000	1125	2.2×10 ⁻⁶	高强度铝合金	SUS304 不锈钢	阳极氧化处理	28
PSB-34 / 32	4.4	0.02	0.5	±0.18	10000	2656	8.0×10 ⁻⁶				65
PSB-39 / 34.5	8.7	0.02	0.5	±0.23	10000	3920	2.2×10 ⁻⁶				101
PSB-44 / 34.5	13.3	0.02	0.5	±0.27	10000	4480	2.8×10 ⁻⁵				130
PSB-50 / 41	27	0.02	0.5	±0.30	10000	10400	2.5×10 ⁻⁵				214
PSB-56 / 45	37	0.02	0.5	±0.30	7700	20000	4.0×10 ⁻⁵				235
PSB-65 / 55.5	85	0.02	0.5	±0.30	6500	28000	1.0×10 ⁻⁴				342
PSB-87 / 67	180	0.02	0.5	±0.30	5500	70000	4.2×10 ⁻⁴				812
PSB-94 / 68	241	0.02	0.5	±0.30	5500	80000	1.23×10 ⁻³				1521
PSB-104 / 70	280	0.02	0.5	±0.50	4000	140000	1.85×10 ⁻³				1950
PSB-126 / 78	511	0.02	0.5	±0.50	4000	150000	3.75×10 ⁻³				2250

备注：以上惯性力矩和各项技术参数由最大孔径为标准所测得的数据，最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。

PHC - Aluminum Alloy Cross Sliding Block Coupling Series

PHC - Aluminum Alloy Cross Sliding Block Coupling Series

Using high-strength aluminum alloy material, the cup head is designed with a bolt locking and clamping structure.

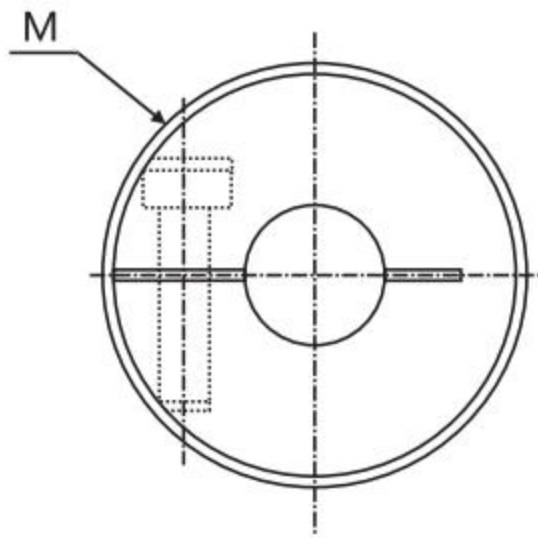
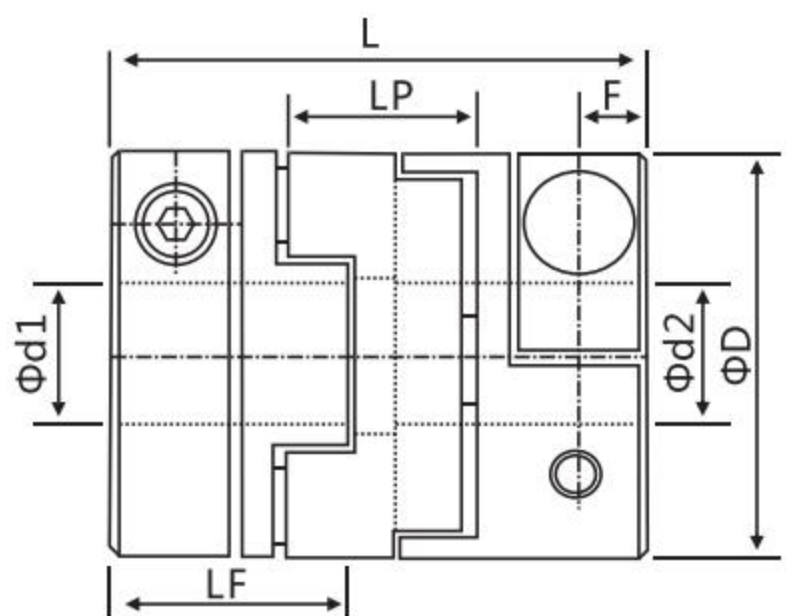
■ 特点：

- >轴套采用高强度铝合金
- >胶体材料采用进口PA66，具有良好的耐磨，耐腐蚀性和电气绝缘性
- >滑动设计更有效的补偿径向和角向偏差
- >可拆式设计，便于安装
- >夹紧螺丝紧固方式

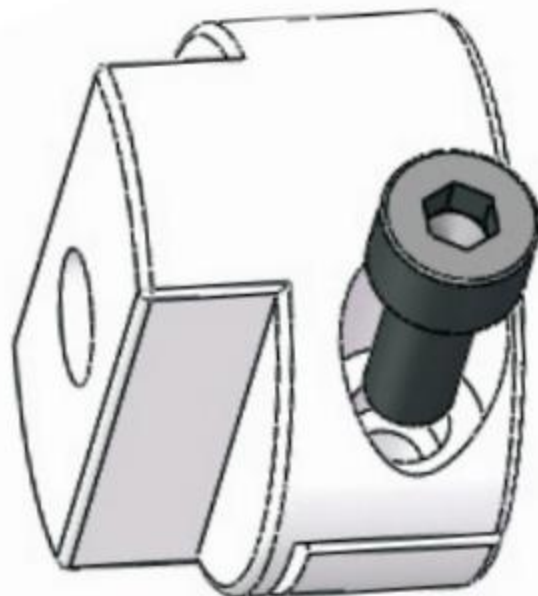
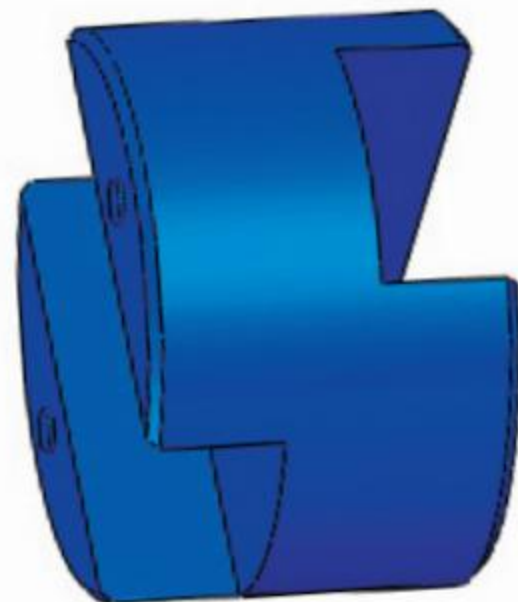
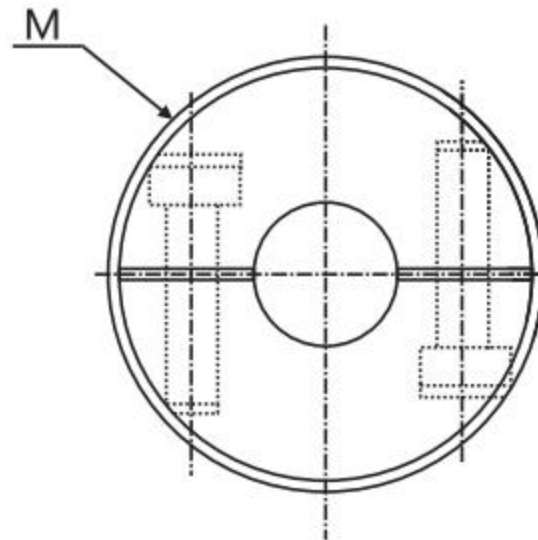
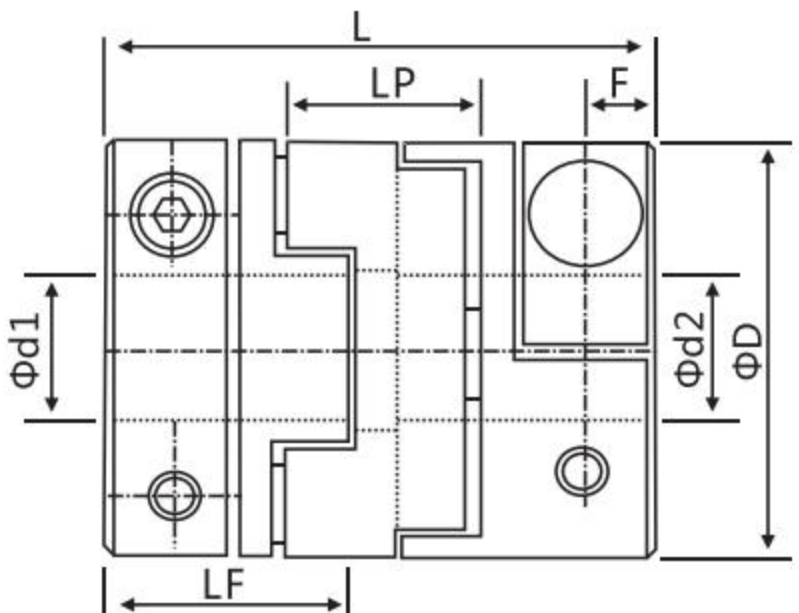
■ Features：

- > The shaft sleeve is made of high-strength aluminum alloy
- > Colloidal material adopts imported PA66, which has good wear resistance,Corrosion resistance and electrical insulation
- > Sliding design compensates radial and angular deviation more effectively
- > Removable design for easy installation
- > Clamping screw tightening method

外径 Φ16~Φ32



外径 Φ40~Φ70



PHC - Aluminum Alloy Cross Sliding Block Coupling Series

■ 型号举例/Example: PHC - □□ / □□ - □□ / □□

系列号 外径 长度 d1轴径 d2轴径
Series Diameter Lenght d1Bore d2Bore

例: PHC-32 / 45-10 / 14
P: Puladuo(普拉多)
H: Oldham type/Hua Kuai (滑块)
C: Clamp (夹紧固定)
32: Diameter (外径尺寸)
45: Length (总长度)
10: d1bore (d1轴径尺寸)
14: d2bore (d2轴径尺寸)

Note: If additional key slots are required, they will be custom-made in non-standard form. Please add "K" after the model, shaft diameter size. For example: PHC-32/45-10K/14K, this indicates that both inner holes have key slots.

Dimensions Table

(单位: mm)

product model	Common inner diameter sizes of d1/d2	ΦD	L	LF	LP	F	M	Tighten the torque (N.m)
PHC-16 / 29	4-5-6-6.35	16	29	12.5	12	3	M2.5	0.8
PHC-20 / 33	5-6-6.35-7-8	20	33	14.1	12.7	3.8	M2.5	0.8
PHC-25 / 39	5-6-6.35-8-9-9.525-10-11-12	25	39	16.9	17.7	3.9	M3	1.2
PHC-32 / 45	5-6-8-9-9.525-10-11-12-12.7-14-15-16	32	45	20	20	4.5	M4	2.5
PHC-40 / 50	8-9-9.525-10-11-12-14-15-16-17-18-19	40	50	23	20.3	5.5	M5	5
PHC-44 / 46	8-9-9.525-10-11-12-14-15-16-17-18-19-20-22	44	46	20.7	18.4	7	M5	5
PHC-50 / 53	10-11-12.7-14-15-16-17-18-19-20-22-24	50	53	24.2	22.35	7.5	M6	8
PHC-50 / 58	10-11-12.7-14-15-16-17-18-19-20-22-24	50	58	26.5	22.35	6.3	M6	8
PHC-55 / 57	10-11-12.7-14-15-16-17-18-19-20-22-24-25-28	55	57	26.2	25.8	6.3	M6	8
PHC-63 / 71	14-15-16-17-18-19-20-22-24-25-28-30-32	63	71	32.8	26.2	7.8	M8	20
PHC-70 / 77	14-15-16-17-18-19-20-22-24-25-28-30-32-35-38	70	77	37	25	7.7	M8	20

备注：联轴器两端内孔由最小和最大内径自由组合,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.

Technical Parameters

(单位: mm)

product model	rated torque	Allowing partiality	Allowable offset angle	Allow for axial deviation	Allowable rotational speed	Static torsional stiffness (N.m/rad)	Moment of inertia (N.m)	Coupling weight (g)
PHC-16 / 29	0.7	0.8	3	±0.2	9000	30	3.5×10^{-7}	12
PHC-20 / 33	1.2	1.2	3	±0.2	7000	58	1.5×10^{-6}	19
PHC-25 / 39	2	1.6	3	±0.2	6000	130	3.2×10^{-6}	35
PHC-32 / 45	4.5	2	3	±0.2	4800	270	1.5×10^{-5}	67
PHC-40 / 50	9	2.4	3	±0.2	3600	520	4.2×10^{-5}	114
PHC-44 / 46	12	2.5	3	±0.2	3500	800	4.5×10^{-5}	140
PHC-50 / 53	19	2.6	3	±0.2	3000	800	1.0×10^{-4}	190
PHC-50 / 58	19	3	3	±0.2	3000	800	1.1×10^{-4}	215
PHC-55 / 57	25	3.2	3	±0.2	3000	900	1.3×10^{-5}	260
PHC-63 / 71	33	3	3	±0.2	2550	1200	3.5×10^{-4}	455
PHC-70 / 77	56	3.5	3	±0.2	2500	1260	4.1×10^{-4}	520

备注：以上惯性力矩和各项技术参数由最大孔径为标准所测的的数据，最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。

PFZ - Aluminum Alloy Heart-Shaped Expansion Sleeve Series

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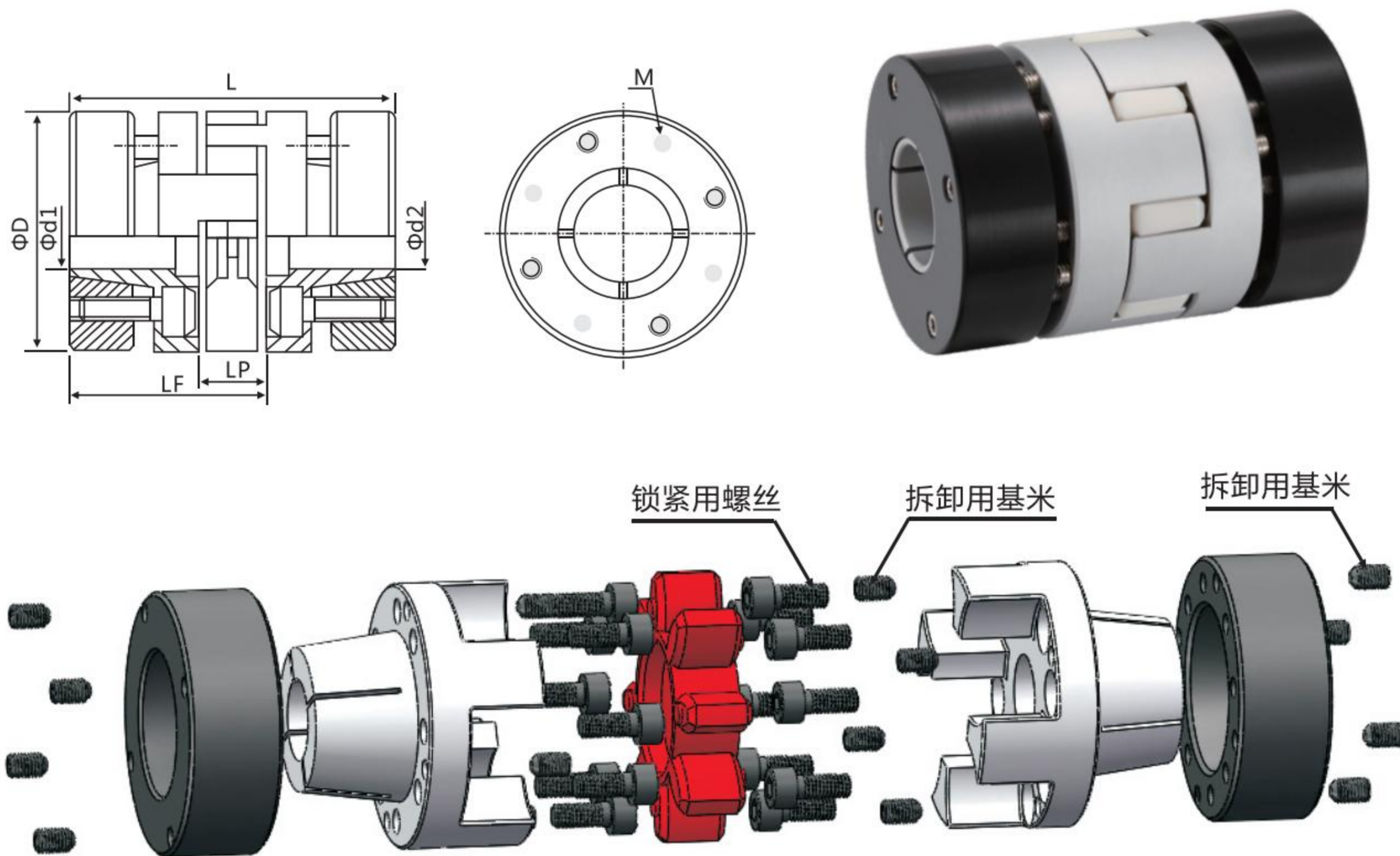
Using high-strength aluminum alloy material

■ 特点：

- >主体采用高强度铝合金
- >利用胀套连接的梅花弹性体联轴器
- >零回转间隙，拆装方便
- >高灵敏度，传递力矩大
- >顺时针与逆时针回转特性相同
- >中间弹性体采用聚氨酯制成
- >可吸收振动，补偿径向，角向和轴向偏差
- >常用于伺服电机，步进电机连接

■ Features：

- >Bushings made of High-strength aluminum alloy
- >Using locking assemblies connect, curved jaw type flexible coupling
- >Zero backlash, Easy installation
- >Excellent response and high torque capacity
- >Identical clockwise and anticlockwise rotational characteristics
- >Colloid using TPU,with good abrasion resistance Oil resistance and Insulation
- >Colloid can absorb vibration, parallel, angular misalignments and shaft end-play
- >For servomotor/stepmotor connect



■ 型号举例/Example: PFZ - □□ / □□ - □□ / □□

系列号 外径 长度 d1轴径 d2轴径
Series Diameter Lenght d1Bore d2Bore

例: PFZ-55 / 78-16 / 20
P: Puladuo(普拉多)
F: Plum flower (梅花型)
Z: Locking/Zhang tao (胀套)
55: Diameter (外径尺寸)
78: Length (总长度)
16: d1bore (d1轴径尺寸)
20: d2bore (d2轴径尺寸)

PFZ - Aluminum Alloy Heart-Shaped Expansion Sleeve Series

Dimensions Table

(单位: mm)

product model	Common inner diameter sizes of d1/d2	ΦD	L	LF	LP	M	Tighten the torque (N.m)
PFZ-40 / 66	10-11-12-12.7-14-15-16-17-18-19-20-22	40	66	39.2	13.7	M4	2.5
PFZ-55 / 78	12-14-15-16-17-18-19-20-22-24-25-28-30-32	55	78	46.5	16.1	M5	5
PFZ-65 / 90	17-18-19-20-22-24-25-28-30-32-35-38	65	90	48.05	16.7	M5	5
PFZ-80 / 114	19-20-22-24-25-28-30-32-35-38-40-45	80	114	67.25	22.5	M6	8
PFZ-95 / 126	20-22-24-25-28-30-32-35-38-40-45-46-47-48-50	95	126	73.75	24.0	M8	20
PFZ-105 / 140	22-24-25-28-30-32-35-38-40-45-46-47-48-50-60	105	140	81.8	26.4	M8	20
PFZ-120 / 160	24-25-28-30-32-35-38-40-45-46-47-48-50-60-65	120	160	91.7	27.4	M10	40

备注：联轴器两端内孔由最小和最大内径自由组合,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,请联系客服或业务员等相关技术人员咨询详细参数。

Technical Parameters

(单位: mm)

product model	Rated torque (N.m)	Allowable eccentricity (mm)	Allowable offset angle (°)	Allowable axial deviation (mm)	Allowable rotational speed (RPM)	Static torsional stiffness (N.m/rad)	Moment of Inertia (N.m)	Coupling weight (g)
PFZ-40 / 66	9.5	0.02	1	±0.8 0	15000	550	1.12×10^{-3}	145
PFZ-55 / 78	34	0.02	1	±0.8 0	13000	1510	4.5×10^{-3}	321
PFZ-65 / 90	95	0.02	1	±0.8 0	10500	2800	1.9×10^{-3}	553
PFZ-80 / 114	135	0.02	1	±0.8 0	8600	3600	1.9×10^{-2}	960
PFZ-95 / 126	220	0.02	1	±0.8 0	7200	4700	2.2×10^{-2}	2840
PFZ-105 / 140	360	0.02	1	±0.8 0	5800	5800	3.3×10^{-2}	3868
PFZ-120 / 160	520	0.02	1	±0.8 0	5200	7200	1.03×10^{-1}	4650

备注：以上惯性力矩和各项技术参数由最大孔径为标准所测得的数据，最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。

Key Groove Processing Dimension Comparison Table

(单位: mm)

shaft stick size	Keyway standard processing dimensions				Keyway size	Keyway Machining Standard Drawing
d1/d2	b		t		(bXh)	
	Slot width	tolerance	Slot depth	tolerance		
Φ6~Φ7.9	2	±0.0125	1.0	+0.10	2×2	
Φ8~Φ10	3	±0.0150	1.4		3×3	
Φ10.1~Φ12	4		1.8		4×4	
Φ12.1~Φ17	5		2.3		5×5	
Φ17.1~Φ22	6	±0.0180	2.8	+0.20	6×6	
Φ22.1~Φ30	8		3.3		8×7	
Φ30.1~Φ38	10	±0.0215	3.3		10×8	
Φ38.1~Φ44	12		3.8		12×8	
Φ44.1~Φ50	14		4.3		14×9	
Φ50.1~Φ58	16		4.4		16×10	
Φ58.1~Φ65	18		4.4		18×11	

PPC - Aluminum Alloy High-Strength Parallel Shaft Coupling Series

PPC - Aluminum Alloy High-Strength Parallel Shaft Coupling Series

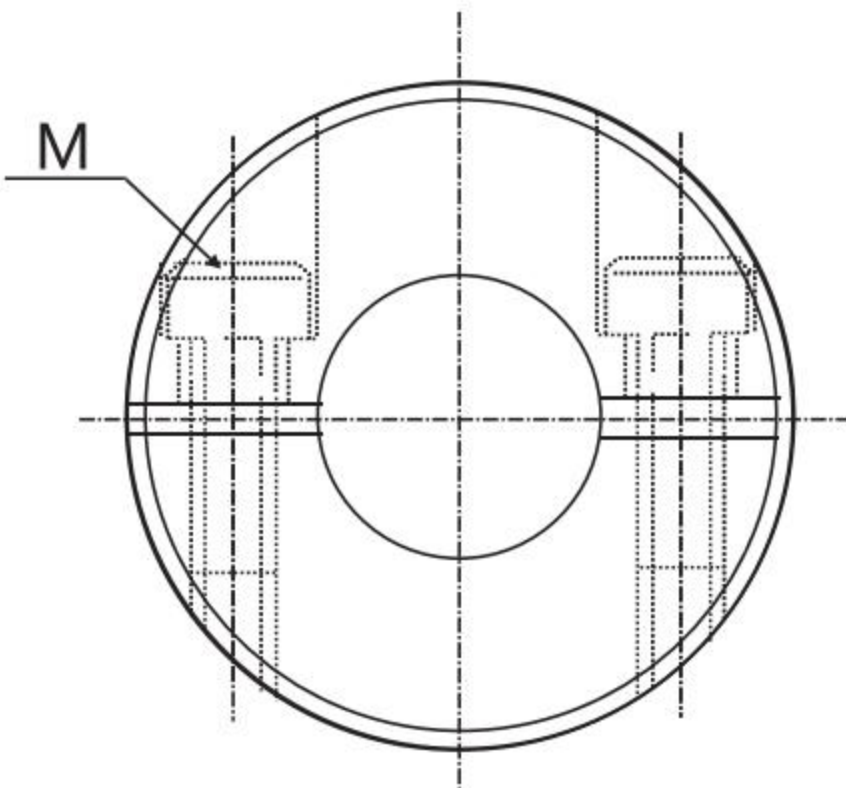
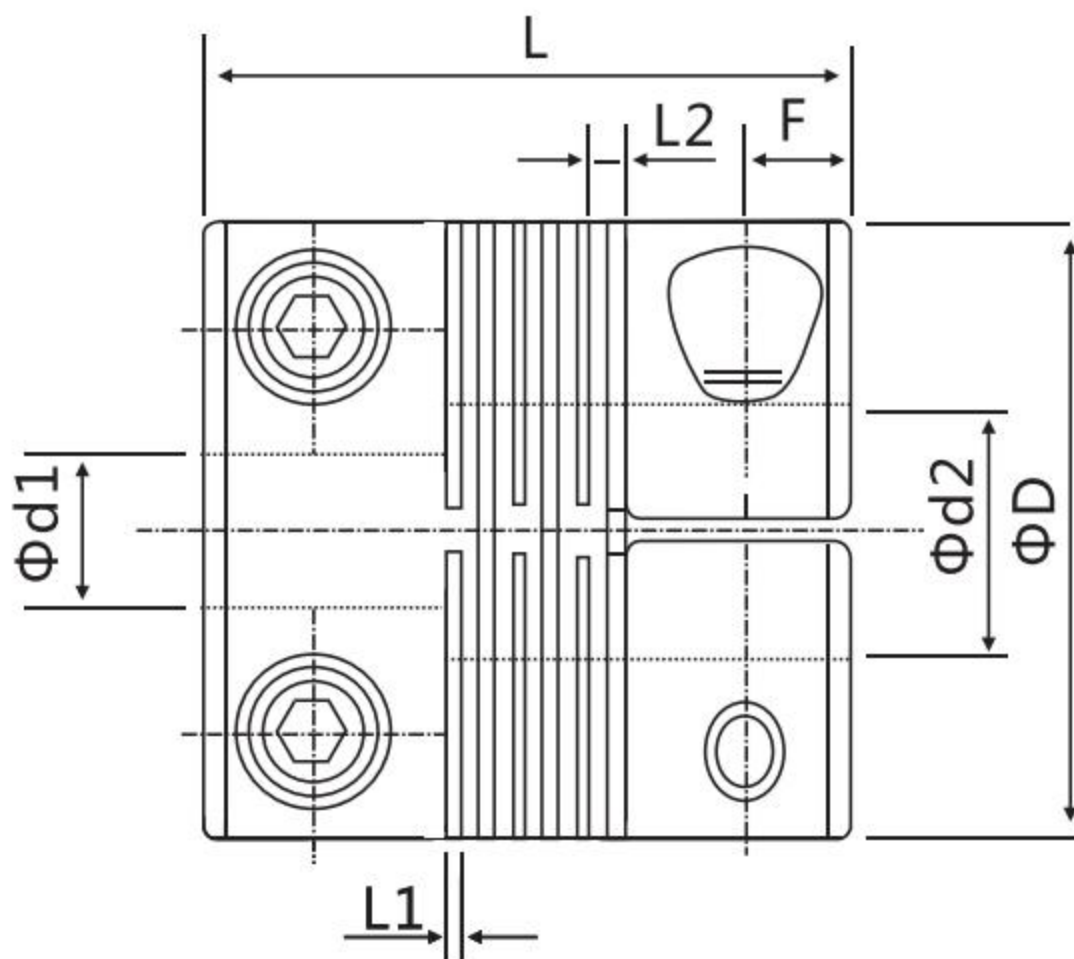
The cup head bolts adopt a high-strength aluminum alloy material design for tight clamping.

■ 特点：

- >一体化结构，整体采用高强度铝合金材料
- >弹性作用补偿径向、角向、轴向偏差
- >无间隙的轴和轴向连接，适用于正反转
- >常用于伺服，步进电机
- >夹紧螺丝紧固方式

■ Features：

- > Integrated structure, the overall use of high-strength aluminum alloy material
- > Elasticity compensates radial, angular and axial deviations
- > Shaft and axial connection without gaps, suitable for forward and reverse rotation
- > Commonly used in servo, stepper motor
- > Clamping screw tightening method



■ 型号举例/Example: PPC - □□ / □□ - □□ / □□

系列号 外径 长度 d1轴径 d2轴径
Series Diameter Length d1Bore d2Bore

例: PPC-24 / 25-8 / 10
P: Puladuo(普拉多)
P: Parallel lines (平行线)
C: Clamp(夹紧)
24: Diameter (外径尺寸)
25: Length (总长度)
8: d1bore (d1轴径尺寸)
10: d2bore (d2轴径尺寸)

Note: If additional key slots are required, they will be custom-made in non-standard form. Please add "K" after the model, shaft diameter size. For example: PPC-24/25-8K/10K, this indicates that both inner holes have key slots.

PPC - Aluminum Alloy High-Strength Parallel Shaft Coupling Series

Dimensions Table

(单位: mm)

product model	Common inner diameter sizes of d1/d2	ΦD	L	L1	L2	F	M	Tighten the torque (n.m)
PPC-16 / 17.4	3-4-5-6	16	17.4	0.55	1.18	3.0	M2.5	0.8
PPC-19 / 20	3-4-5-6-6.35-7-8	19	20	0.55	1.18	3.4	M2.5	0.8
PPC-24 / 25	4-5-6-6.35-7-8-9-10-11	24	25	0.55	1.49	3.78	M3	1.2
PPC-29 / 30	5-6-6.35-7-8-9-9.525-10-11-12-12.7	29	30	0.55	1.81	4.5	M3	1.2
PPC-34 / 35	8-9-9.525-10-11-12-12.7-14-15-16	34	35	0.8	2.09	5.1	M3	1.2
PPC-39 / 40	8-9-9.525-10-11-12-12.7-14-15-16-18-19	39	40	0.8	2.34	7.0	M4	2.5
PPC-44 / 45	8-9-9.525-10-11-12-12.7-14-15-16-18-19-20	44	45	0.8	2.54	7.75	M4	2.5

备注：联轴器两端内孔由最小和最大内径自由组合,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.

Technical Parameters

(单位: mm)

product model	Rated torque (N.m)	Allowable eccentricity (mm)	Allowable offset angle (°)	Allowable axial deviation (mm)	Allowable rotational speed (RPM)	Static torsional stiffness (N.m/rad)	Moment of Inertia (N.m)	Coupling weight (g)
PPC-16 / 17.4	0.75	0.05	0.5	±0.1	8000	200	2.5×10^{-7}	7
PPC-19 / 20	1.5	0.05	0.5	±0.1	8000	270	5.8×10^{-7}	12
PPC-24 / 25	2.2	0.05	0.5	±0.1	6200	790	1.8×10^{-6}	23
PPC-29 / 30	3	0.05	0.5	±0.1	5000	1400	4.7×10^{-6}	41
PPC-34 / 35	4.5	0.05	0.5	±0.1	4300	2200	1.1×10^{-5}	62
PPC-39 / 40	6.0	0.05	0.5	±0.1	4000	4100	2.3×10^{-5}	88
PPC-44 / 45	9.0	0.05	0.5	±0.1	3600	5100	4.3×10^{-5}	128

备注：以上惯性力矩和各项技术参数由最大孔径为标准所测的的数据，最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。

Key Groove Processing Dimension Comparison Table

(单位: mm)

shaft stick size	Keyway standard processing dimensions				Keyway size	Keyway Machining Standard Drawing
d1/d2	b		t		(bXh)	
	Slot width	tolerance	Slot depth	tolerance		
Φ6~Φ7.9	2	±0.0125	1.0	+0.10	2×2	
Φ8~Φ10	3	±0.0150	1.4		3×3	
Φ10.1~Φ12	4		1.8		4×4	
Φ12.1~Φ17	5		2.3		5×5	
Φ17.1~Φ22	6	±0.0180	2.8	+0.20	6×6	
Φ22.1~Φ30	8		3.3		8×7	
Φ30.1~Φ38	10	±0.0215	3.3		10×8	
Φ38.1~Φ44	12		3.8		12×8	
Φ44.1~Φ50	14		4.3		14×9	
Φ50.1~Φ58	16		4.4		16×10	
Φ58.1~Φ65	18		4.4		18×11	

PC - Aluminum Alloy Winding Clamping Series

PC - Aluminum Alloy Winding Clamping Series

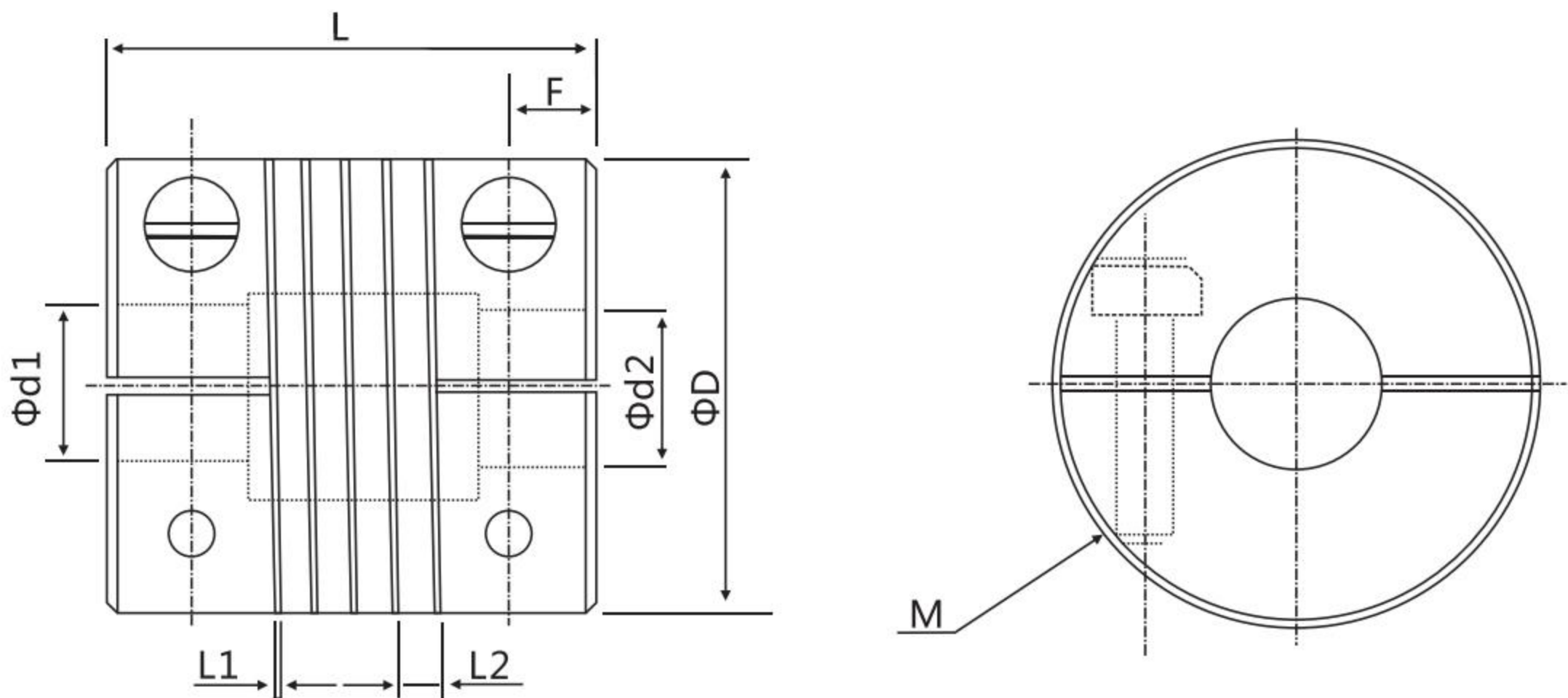
The cup head bolts adopt a high-strength aluminum alloy material design for secure tightening.

特点：

- >一体化结构，整体采用高强度铝合金材料
- >弹性作用补偿径向，角向，轴向偏差
- >弹簧式设计，带缓冲作用
- >专为编码器，微型电机设计
- >夹紧螺丝紧固方式

Features:

- > Integrated structure,with high-strength aluminum alloy
- >The slit structure can absorb vibration、parallel、angular misalignments and shaft end-play
- >Spring-loaded design, with cushioning effect
- >For encoder/micro-motor
- >Clamp type



型号举例/Example: PC - □□ / □□ - □□ / □□

系列号 外径 长度 d1轴径 d2轴径
Series Diameter Lenght d1Bore d2Bore

例:PC-25 / 32-8 / 10
P: Puladuo(普拉多)
C:Screw thread (螺纹,夹紧)
25:Diameter (外径尺寸)
32:Length (总长度)
8:d1bore (d1轴径尺寸)
10:d2bore (d2轴径尺寸)

Note: If additional key slots are required, it will be customized in a non-standard form. Please add "K" after the model, shaft diameter size. For example: PC-25/32-8K/10K, this indicates that both inner holes have key slots.

PC - Aluminum Alloy Winding Clamping Series

Dimensions Table

(单位: mm)

product model	Common inner diameter sizes of d1/d2	ΦD	L	L1	L2	F	M	Tighten the torque (n.m)
PC-12/18.5	2-3-4-5-6	12	18.5	0.4	1.8	3.0	M2.5	0.8
PC-16/23	3-4-5-6-6.35	16	23	0.4	2	3.6	M2.5	0.8
PC-19/23	4-5-6-6.35-7-8	19	23	0.4	2	3.8	M2.5	0.8
PC-25/25	5-6-6.35-7-8-9-9.525-10-11-12	25	25	0.4	2	4.8	M3	1.2
PC-25/32	5-6-6.35-7-8-9-9.525-10-11-12	25	32	0.4	2.75	4.5	M3	1.2
PC-28.5/38	6-6.35-7-8-9-9.525-10-11-12-12.7-14	28.5	38	0.4	2.75	6.8	M4	2.5
PC-32/32	8-9-9.525-10-11-12-12.7-14-15-16	32	32	0.4	2.75	4.8	M4	2.5
PC-32/41	8-9-9.525-10-11-12-12.7-14-15-16	32	41	0.4	2.75	5.5	M4	2.5
PC-38/41	8-9-9.525-10-11-12-12.7-14-15-16-17-18-19	38	41	0.4	3.5	7	M5	5
PC-40/50	10-11-12-12.7-14-15-16-17-18-19-20	40	50	0.4	3.5	8.4	M5	5
PC-42/50	12-12.7-14-15-16-17-18-19-20-22-24-25	42	50	0.4	3.5	8.4	M5	5
PC-50/50	12-12.7-14-15-16-17-18-19-20-22-24-25-28	50	50	0.5	3.5	8.4	M6	8

备注：联轴器两端内孔由最小和最大内径自由组合,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,请联系客服或业务员等相关技术人员咨询详细参数。

Technical Parameters

(单位: mm)

product model	Rated Torque (N.m)	Allowing bias (mm)	Allowable offset angle (°)	Allowable shaft allowance for deviation (mm)	Allowable rotational speed (RPM)	Static torsional stiffness (N.m/rad)	Moment of Inertia	Main material Surface	Surface treatment	Coupling weight (g)
PC-12/18.5	0.3	0.10	2	±0.15	11000	42	3.2×10 ⁻⁷	SUS304 不锈钢	抛光处理	4
PC-16/23	0.5	0.10	2	±0.15	9500	45	3.4×10 ⁻⁷			8.1
PC-19/23	0.9	0.10	2	±0.15	7700	112	7.1×10 ⁻⁷			12
PC-25/25	2	0.10	2	±0.15	6100	170	2.8×10 ⁻⁶			23
PC-25/32	2	0.10	2	±0.15	6100	187	2.9×10 ⁻⁶			32
PC-28.5/38	2	0.10	2	±0.15	5500	261	5.1×10 ⁻⁶			47
PC-32/32	4	0.10	2	±0.15	5000	280	7.5×10 ⁻⁶			55
PC-32/41	4	0.10	2	±0.15	5000	300	8.1×10 ⁻⁶			86
PC-38/41	6.5	0.10	2	±0.15	4500	330	2.0×10 ⁻⁵			118
PC-40/50	8	0.10	2	±0.15	3800	400	3.3×10 ⁻⁵			125
PC-42/50	8	0.10	2	±0.15	3200	450	4.4×10 ⁻⁵			165
PC-50/50	20	0.10	2	±0.15	3200	560	9.0×10 ⁻⁵			220

备注：以上惯性力矩和各项技术参数由最大孔径为标准所测得的数据，最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。

PNC - Series of Aluminum Alloy Rigid Clamping Couplings

PNC - Series of Aluminum Alloy Rigid Clamping Couplings

The cup head bolts adopt a high-strength aluminum alloy material design for secure tightening.

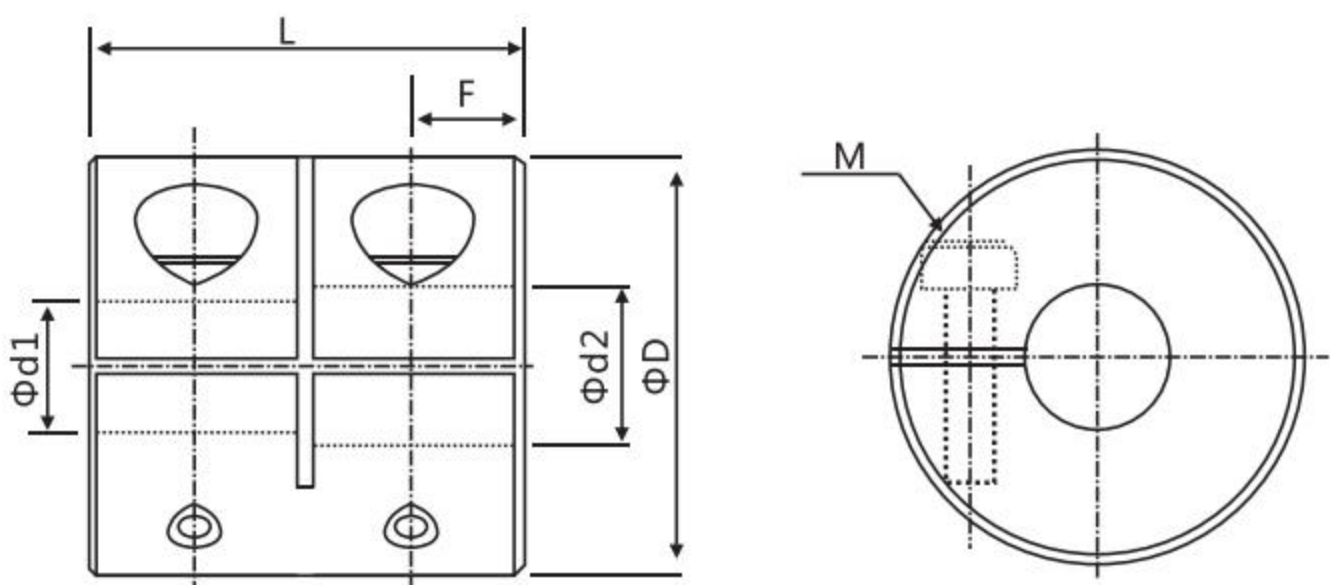
■ 特点：

- >一体化结构，整体采用高强度铝合金材料
- >高扭矩，高刚性
- >刚性型基本上不允许偏心，使用时必须充分进行偏心调整
- >夹紧螺丝紧固方式

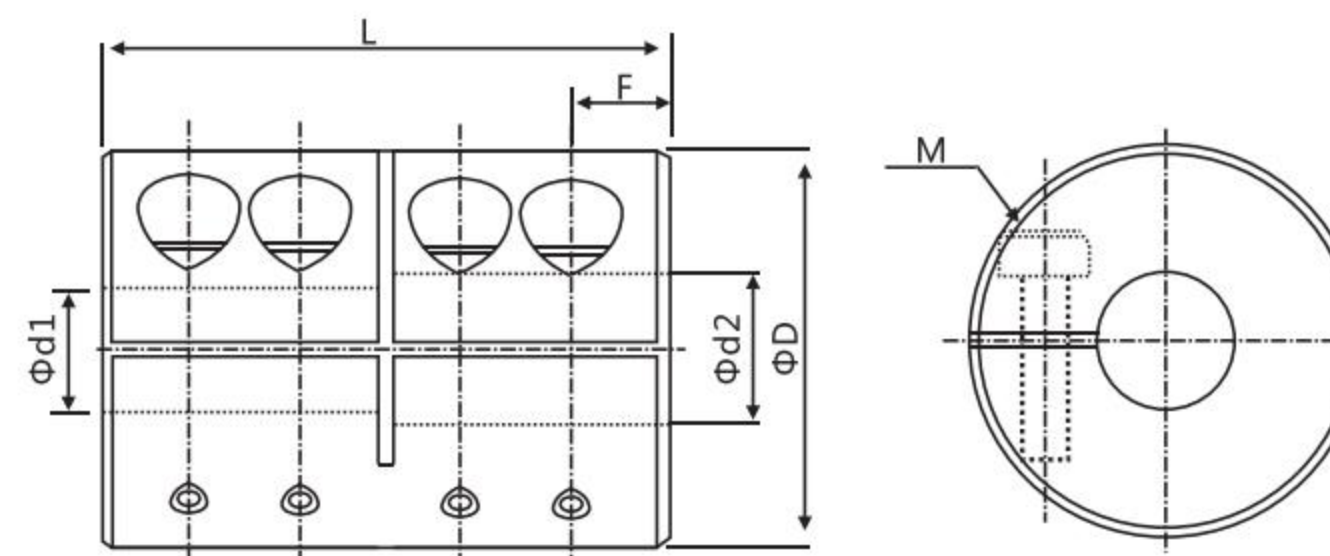
■ Features：

- > Integrated structure, the overall use of high-strength alu-minum alloy material
- > High torque, high rigidity
- > Rigid type basically does not allow eccentricity, must be sufficient when usingMake eccentric adjustments
- > Clamping screw tightening method

短型(例: PNC-16/16)



长型(例: PNC-16/24)



■ 型号举例/Example: PNC - □□ / □□ - □□ / □□

系列号 外径 长度 d1轴径 d2轴径
Series Diameter Lenght d1Bore d2Bore
例: PNC-20 / 30-6 / 8
P: Puladuo(普拉多)
N: Rigidity, (刚性)
C: Clamp (夹紧固定)
20: Diameter (外径尺寸)
30: Length (总长度)
6: d1bore (d1轴径尺寸)
8: d2bore (d2轴径尺寸)

Note: If additional key slots are required, it will be customized in a non-standard form. Please add "K" after the model, shaft diameter size. For example: PNC-20/30-6K/8K, this indicates that both inner holes have key slots.

PNC - Series of Aluminum Alloy Rigid Clamping Couplings

Dimensions Table

(单位: mm)

product model	Common inner diameter sizes of d1/d2	ΦD	L	F	M	lighten the torque (n.m)
PNC-16/16	3-4-5-6-6.35-7-8	16	16	3.75	M2.5	0.8
PNC-16/22	3-4-5-6-6.35-7-8	16	22	3.75	M2.5	0.8
PNC-16/24	3-4-5-6-6.35-7-8	16	24	3.75	M2.5	0.8
PNC-20/20	4-5-6-6.35-7-8-9-9.525-10	20	20	3.75	M2.5	0.8
PNC-20/24	4-5-6-6.35-7-8-9-9.525-10	20	24	3.75	M2.5	0.8
PNC-20/30	4-5-6-6.35-7-8-9-9.525-10	20	30	3.75	M2.5	0.8
PNC-25/25	5-6-6.35-7-8-9-9.525-10-12	25	25	6	M3	1.2
PNC-25/36	5-6-6.35-7-8-9-9.525-10-12	25	36	6	M3	1.2
PNC-28.5/38	6-6.35-7-8-9-9.525-10-11-12-14	28.5	38	7.8	M4	2.5
PNC-32/32	6-6.35-7-8-9-9.525-10-12-12.7-14-15-16	32	32	7	M4	2.5
PNC-32/40	6-6.35-7-8-9-9.525-10-12-12.7-14-15-16	32	40	7.75	M4	2.5
PNC-32/41	6-6.35-7-8-9-9.525-10-12-12.7-14-15-16	32	41	7.75	M4	2.5
PNC-40/44	8-9-9.525-10-11-12-12.7-14-15-16-17-18-19-20	40	44	10.5	M5	5
PNC-40/52	8-9-9.525-10-11-12-12.7-14-15-16-17-18-19-20	40	52	10.5	M5	5
PNC-50/55	10-11-12-12.7-14-15-16-17-18-19-20-22-24-25	50	55	13	M6	8
PNC-50/66	10-11-12-12.7-14-15-16-17-18-19-20-22-24-25	50	66	16	M6	8
PNC-63/71	10-11-12-12.7-14-15-16-17-18-19-20-22-24-25-28-30-32-35	63	71	16.5	M6	8

备注：联轴器两端内孔由最小和最大内径自由组合,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.

Technical Parameters

(单位: mm)

product model	Rated Torque (N.m)	Allowing bias (mm)	Allowable offset angle (°)	Allowable shaft allowance for deviation (mm)	Allowable rotational speed (RPM)	Moment of Inertia (N.m)	Coupling weight (g)
PNC-16/16	5	-	-	-	9400	2.9×10^{-7}	7
PNC-16/22	5	-	-	-	9400	2.9×10^{-7}	10
PNC-16/24	5	-	-	-	9400	2.9×10^{-7}	13
PNC-20/20	10	-	-	-	7500	8.6×10^{-6}	15
PNC-20/24	10	-	-	-	7500	8.6×10^{-6}	18
PNC-20/30	10	-	-	-	7500	8.6×10^{-6}	25
PNC-25/25	12	-	-	-	6000	2.7×10^{-6}	29
PNC-25/36	12	-	-	-	6000	2.7×10^{-6}	43
PNC-28.5/38	14	-	-	-	5500	2.5×10^{-6}	48
PNC-32/32	15	-	-	-	4700	7.1×10^{-6}	55
PNC-32/40	19	-	-	-	4700	7.1×10^{-6}	70
PNC-32/41	19	-	-	-	4700	7.1×10^{-6}	65
PNC-40/44	19	-	-	-	4000	1.45×10^{-5}	120
PNC-40/52	19	-	-	-	4000	1.45×10^{-5}	150
PNC-50/55	45	-	-	-	4000	7.0×10^{-5}	240
PNC-50/66	45	-	-	-	4000	7.0×10^{-5}	280
PNC-63/71	115	-	-	-	3500	9.8×10^{-5}	320

备注：以上惯性力矩和各项技术参数由最大孔径为标准所测的的数据，最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.

PRC - Aluminum Alloy Wave Tube Clamping Coupling Series

PRC - Aluminum Alloy Wave Tube Clamping Coupling Series

The entire part is designed with an aluminum alloy material cup head bolt tightening structure.

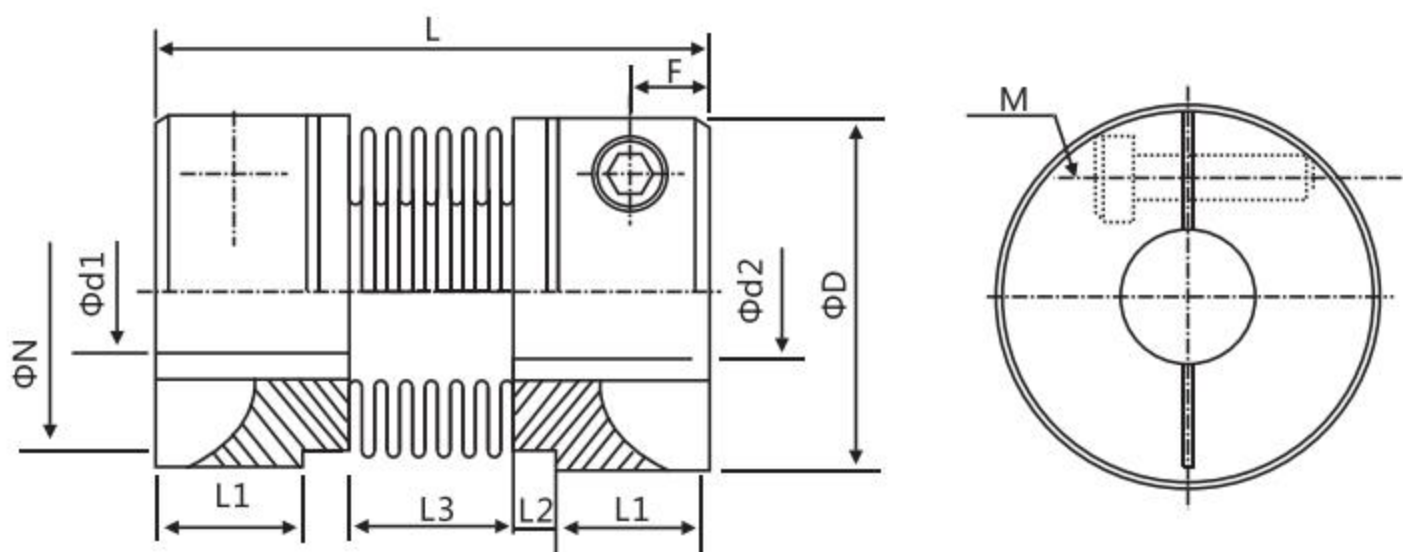
■ 特点：

- >轴套材料为铝合金，中间波纹管为不锈钢材质
抗腐蚀性特好
- >零回转间隙，适用于正反转
- >波纹管结构更有效的补偿径向，角向，轴向偏差
- >专为伺服马达步进电机设计
- >夹紧螺丝紧固方式

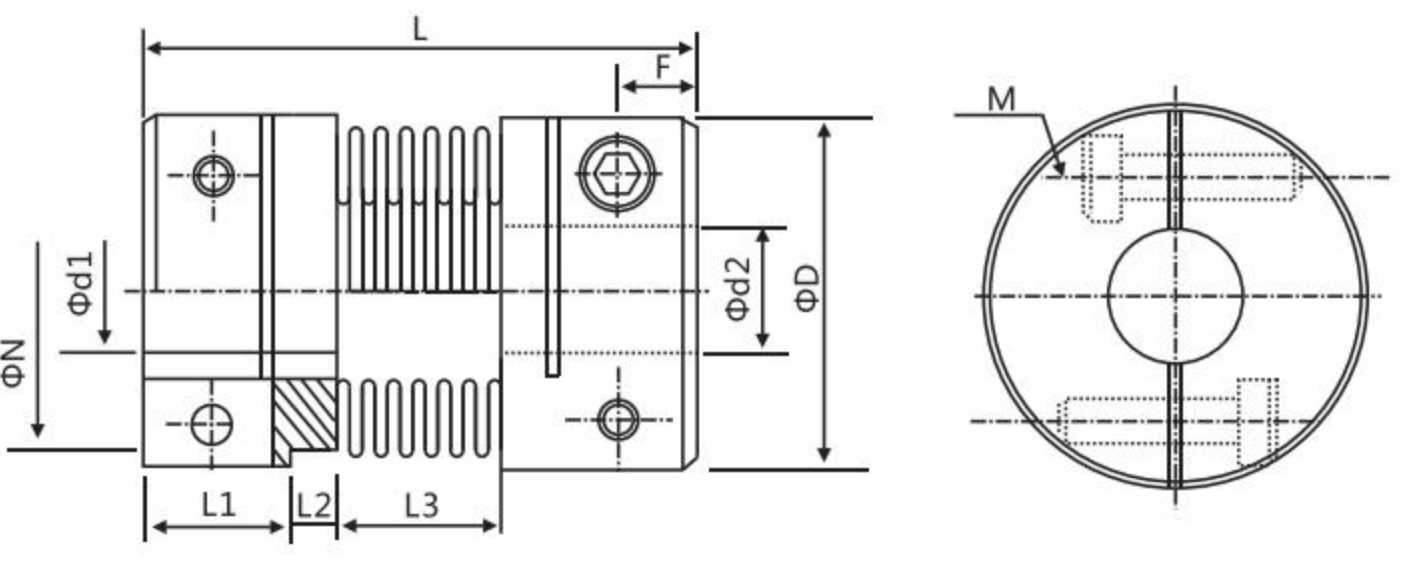
■ Features：

- > Shaft sleeve material is aluminum alloy, middle bellows is stainless steel materialVery good corrosion resistance
- > Zero backlash, suitable for forward and reverse rotation
- > The bellows structure compensates radial, angular and axial deviations more effectively
- > Specially designed for servo motor stepper motor
- > Clamping screw tightening method

外径 Φ16~Φ40



外径 Φ55~Φ105



■ 型号举例/Example: PRC - □□ / □□ - □□ / □□

系列号 外径 长度 d1轴径 d2轴径
Series Diameter Length d1Bore d2Bore

例: PRC-20 / 32-8 / 10
P: Puladuo(普拉多)
R: Ripple/Bellows(波纹管)
C: Clamp(夹紧)
20: Diameter (外径尺寸)
32: Length (总长度)
8: d1bore (d1轴径尺寸)
10: d2bore (d2轴径尺寸)

Note: If additional key slots are required, it will be customized in a non-standard form. Please add "K" after the model, shaft diameter size. For example: PNC-20/32-8K/10K, this indicates that both inner holes have key slots.

PRC - Aluminum Alloy Wave Tube Clamping Coupling Series

Dimensions Table

(单位: mm)

product model	Common inner diameter sizes of d1/d2	ΦD	L	L1	L2	L3	ΦN	F	M	Tighten the torque (n.m)
PRC-16 / 27	4-5-6-6.35-7-8	16	27	7.5	2	8	13.5	3	M2.5	0.8
PRC-20 / 32	5-6-6.35-7-8-9-9.525-10	20	32	7.2	2.8	12	18	3.0	M3	1.2
PRC-22.5 / 34	5-6-6.35-7-8-9-9.525-10-11-12	22.5	34	8.05	2.8	12.3	20.2	3.2	M3	1.2
PRC-25 / 37	5-6-6.35-7-8-9-9.525-10-11-12	25	37	9.5	3	12	20.2	4.5	M3	1.2
PRC-32 / 42	8-9-9.525-10-11-12-12.7-14-15	32	42	8	4	18	27.2	4.5	M4	2.5
PRC-40 / 55	8-9-9.525-10-11-12-12.7-14-15-16-17-18-19-20	40	55	11.5	6	20	34.5	5.0	M5	5
PRC-55 / 72	10-11-12-12.7-14-15-16-17-18-19-20-22-24-25	55	72	16.5	6	27	51.9	10	M6	8
PRC-65 / 81	10-11-12-12.7-14-15-16-17-18-19-20-22-24-25-28-30-32-35-38	65	81	19.5	7	28	60.5	10.5	M6	8
PRC-82 / 103	20-22-24-25-28-30-32-35-38-40-42	82	103	25.3	8.1	36.2	76.3	10	M8	20
PRC-105 / 130	20-22-24-25-28-30-32-35-38-40-42-45-46-48-50	105	130	41.4	10.1	27.4	100.7	10	M10	40

备注：联轴器两端内孔由最小和最大内径自由组合,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.

Technical Parameters

(单位: mm)

product model	Rated Torque (N.m)	Allowing bias (mm)	Allowable offset angle (°)	Allowable shaft allowance for deviation (mm)	Allowable rotational speed (RPM)	Static torsional stiffness (N.m/rad)	Moment of Inertia (N . m)	Coupling weight (g)
PRC-16 / 27	0.8	0.1	1.5	+0.3-1.0	9400	150	8.0×10^{-7}	8
PRC-20 / 32	1.5	0.15	2	+0.3-1.0	7600	220	2.2×10^{-6}	13
PRC-22.5 / 34	1.8	0.15	2	+0.3-1.0	6000	300	6.5×10^{-6}	22
PRC-25 / 37	2.0	0.15	2	+0.5-1.3	6100	330	6.9×10^{-6}	30
PRC-32 / 42	2.5	0.2	2	+0.5-1.5	4700	490	2.1×10^{-5}	53
PRC-40 / 55	10	0.2	2	+0.7-1.5	4200	530	2.3×10^{-5}	97
PRC-55 / 72	22	0.2	2	+0.7-1.5	3900	860	3.7×10^{-5}	200
PRC-65 / 81	55	0.2	2	+0.7-1.5	3500	900	3.6×10^{-5}	380
PRC-82 / 103	70	0.2	2	+0.7-1.5	3500	1200	6.0×10^{-5}	1090
PRC-105 / 130	200	0.2	2	+0.8-1.8	3000	2067	1.8×10^{-4}	2500

备注：以上惯性力矩和各项技术参数由最大孔径为标准所测的的数据，最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。

PRZ - Stainless Steel Wave Tube Expansion Sleeve Series

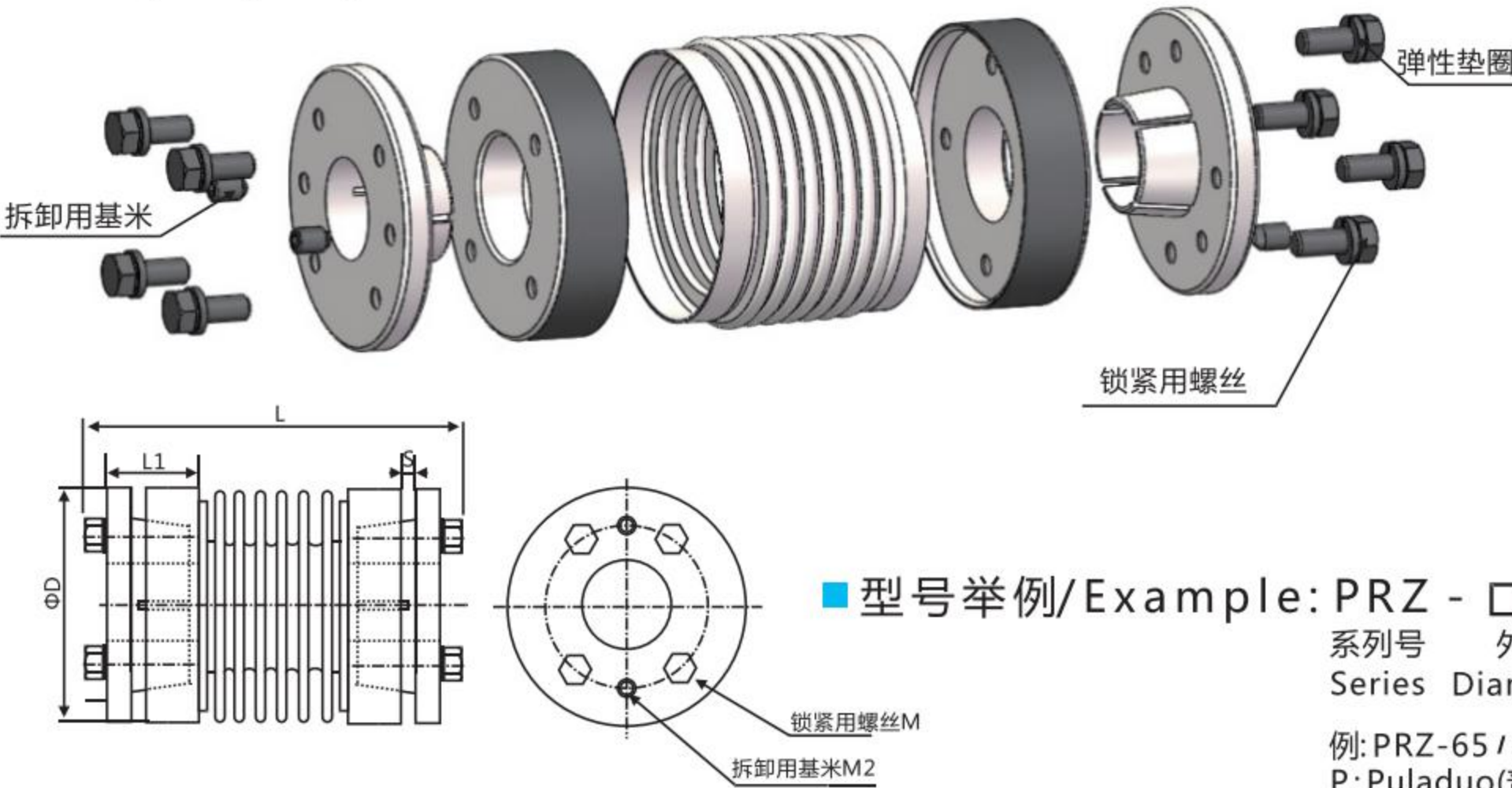
Use stainless steel material

■ 特点：

- >整体采用不锈钢制成，抗腐蚀性特好
- >波纹管轴套之间采用激光焊接，零回转间隙，适用于正反转
- >波纹管结构更有效的补偿径向，角向，轴向偏差
- >胀套结构设计，使轴和轴之间的牢固连接
- >专为数控机床传动设计

■ Features:

- >The overall use of stainless steel,With better corrosion resistance
- >Laser welding is used between the bellows and the bushings
- Zero backlash , Suitable for forward reverse
- >Bellows can more efficient ly absorb vibration、parallel、angular misalignments and shaft end-play
- >The locking assemblies design,Which mede a strong connection between shaft and shaft
- >Specially designed for CNC machine drive



■ 型号举例/Example: PRZ - □□ / □□ - □□ / □□

系列号 外径 长度 d1轴径 d2轴径
Series Diameter Lenght d1Bore d2Bore

例: PRZ-65 / 90-16 / 20
P:Puladuo(普拉多)
R:Ripple/Bellows(波纹管)
Z:Locking/Zhang tao (胀套)
65:Diameter (外径尺寸)
90:Length (总长度)
16:d1bore (d1轴径尺寸)
20:d2bore (d2轴径尺寸)

(单位: mm)

Dimensions Table

product model	Common inner diameter sizes of d1/d2	ΦD	L	LP	S	F	M	(n.m)
PRZ-55 / 75	10-11-12-12.7-14-15-16-17-18-19-20	55	75	20.5	3	2.5	M3	1.2
PRZ-65 / 90	12-14-15-16-18-19-20-22-24-25-28	65	90	28.2	3	5	M3	1.2
PRZ-82 / 105	16-18-19-20-22-24-25-28-30-32-35-38-40	82	105	30.0	4	8	M4	2.5
PRZ-105 / 140	18-20-22-25-28-30-32-35-38-40-42-45-48-50	105	140	51.1	4	20	M4	2.5

备注：联轴器两端内孔由最小和最大内径自由组合,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,请联系客服或业务员等相关技术人员咨询详细参数

Technical Parameters

(单位: mm)

product model	Rated Torque (N.m)	Allowing bias (mm)	Allowable offset angle (°)	Allowable shaft allowance for deviation (mm)	Allowable rotational speed (RPM)	Static torsional stiffness (N.m/rad)	Moment of Inertia (N.m)	Main material	surface treatment	Coupling weight (g)
PRZ-55 / 75	30	0.2	2	±0.7 -1.5	6000	3.5×10 ⁴	2.8×10 ⁻⁴	进口 SUS 304	抛光处理	390
PRZ-65 / 90	60	0.2	2	±0.7 -1.5	5000	6.8×10 ⁴	4.5×10 ⁻⁴			780
PRZ-82 / 105	120	0.2	2	±0.7 -1.5	4600	1.2×10 ⁴	1.1×10 ⁻⁴			1512
PRZ-105 / 140	320	0.2	2	±0.7 -1.5	3000	1.8×10 ⁵	3.4×10 ⁻⁴			3800

备注：以上惯性力矩和各项技术参数由最大孔径为标准所测得的数据，最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。

PRZ - Stainless Steel Wave Tube Expansion Sleeve Series

Use stainless steel material

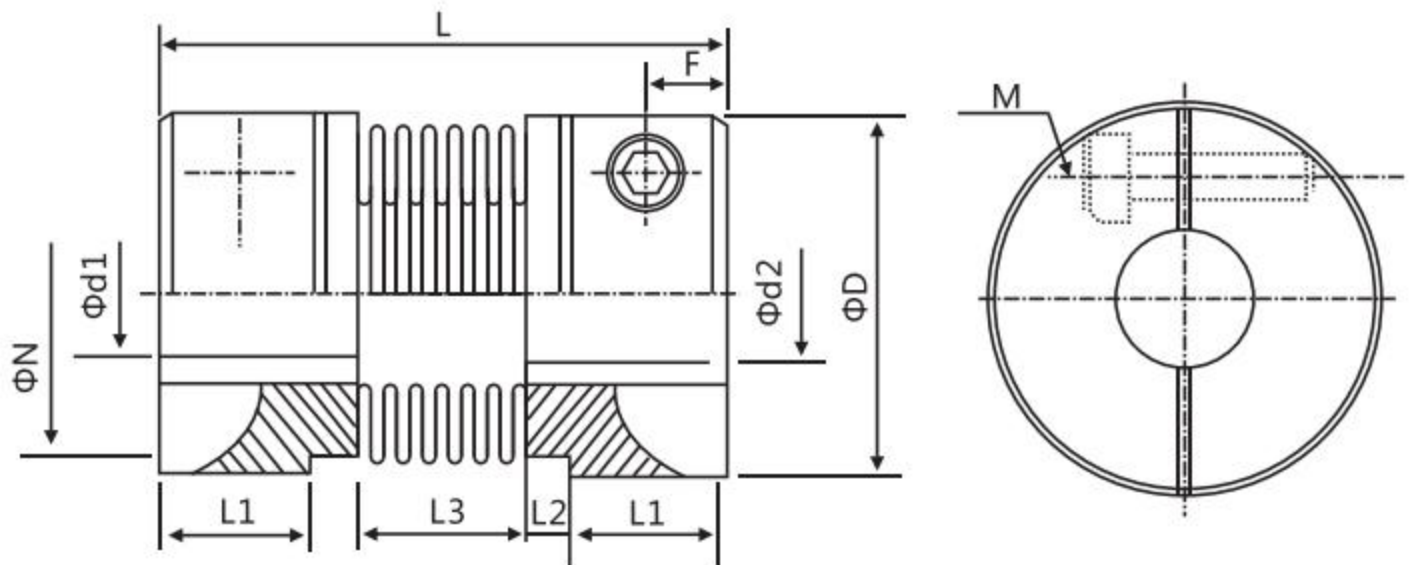
■ 特点：

- >整体采用不锈钢制成，抗腐蚀性特好
- >波纹管轴套之间采用激光焊接，零回转间隙，适用于正反转
- >波纹管结构更有效的补偿径向，角向，轴向偏差
- >夹紧螺丝紧固方式

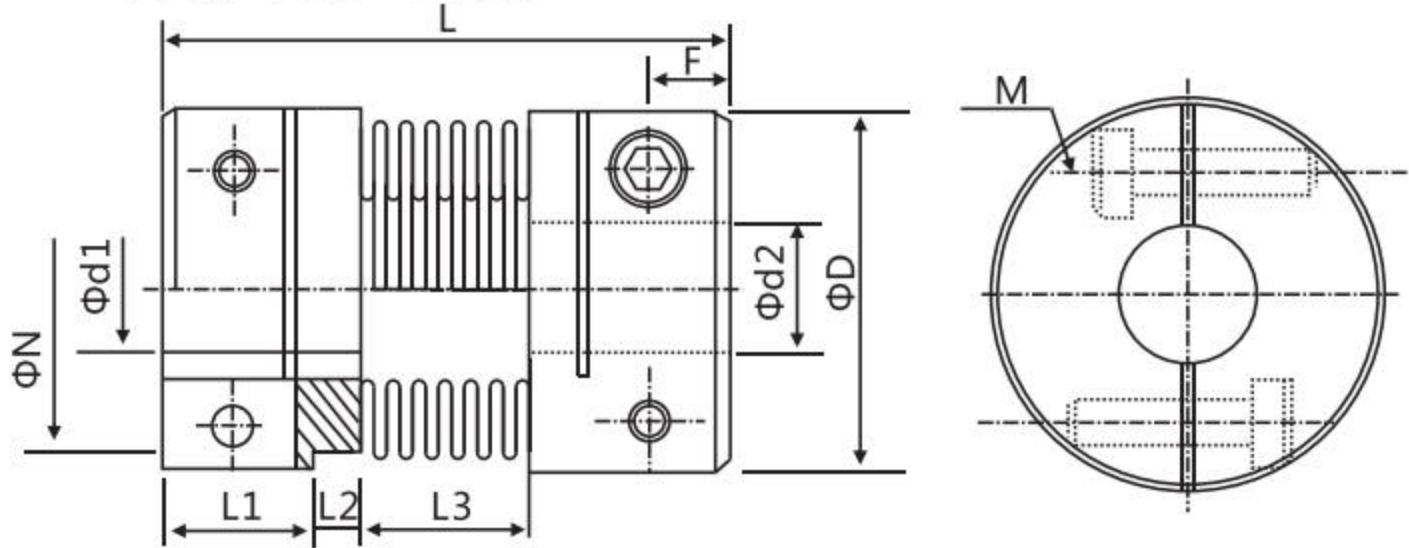
■ Features :

- > The whole is made of stainless steel, with excellent corrosion resistance
- > Laser welding between bellows and shaft sleeve, zero slewing clearance
- Suitable for forward and reverse
- > The bellows structure compensates radial, angular and axial deviations more effectively
- > Clamping screw tightening method

外径 Φ16~Φ40



外径 Φ55~Φ105



Dimensions Table

(单位: mm)

product model	Common inner diameter sizes of d1/d2	ΦD	L	L1	L2	L3	ΦN	F	M	(n.m)
PRCQ-16 / 27	4-5-6-6.35-7-8	16	27	7.5	2	8	13.5	3	M2.5	0.8
PRCQ-20 / 32	5-6-6.35-7-8-9-9.525-10	20	32	7.2	2.8	2	6.5	3.5	M3	1.2
PRCQ-22.5 / 34	5-6-6.35-7-8-9-9.525-10-11-12	22.5	34	8.05	2.8	12.3	20.2	3.2	M3	1.2
PRCQ-25 / 37	6-6.35-7-8-9-9.525-10-11-12	25	37	9.5	3	12	20.2	4.5	M3	1.2
PRCQ-32 / 42	8-9-9.525-10-11-12-12.7-14-15	32	42	8	4	18	27.2	4.5	M4	2.5
PRCQ-40 / 55	8-9-9.525-10-11-12-12.7-14-15-16-17-18-19-20	40	55	11.5	6	20	34.5	5.5	M5	5
PRCQ-55 / 72	10-11-12-12.7-14-15-16-17-18-19-20-22-24-25	55	72	16.5	6	27	51.9	10	M6	8
PRCQ-65 / 81	10-11-12-12.7-14-15-16-17-18-19-20-22-24-25-28-30-32-35-38	65	81	19.5	7	28	60.5	10.5	M6	8
PRCQ-82 / 103	20-22-24-25-28-30-32-35-38-40-42	82	103	25.3	8.1	36.2	76.3	10	M8	20
PRCQ-105 / 130	20-22-24-25-28-30-32-35-38-40-42-44-45-48-50	105	130	41.4	10.1	27.4	100.7	10	M10	40

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