

DJM(T)型胀紧套联结弹性膜片联轴器
DJM(T) Type Bioated set binding elastic diaphragm Shat coupling

◇标记示例: DJM02 YT19/YT19

DJM03 YT19/YA18×30

DJM02 - Y T 19 / Y T 19

- 从动轴孔径 Hole diameter of driven shaft
- Z1型胀紧联结套 Z1 locking device
- 从动轴孔型式 Hole form of driven shaft
- 主动轴孔径 Hole diameter of drive shaft
- Z1型胀紧联结套 Z1 type locking device
- 主动轴孔型式 Hole form of drive shaft
- 型号及规格 Type and format

◇DJM(T)型胀紧套联结弹性膜片联轴器的主要尺寸和参数

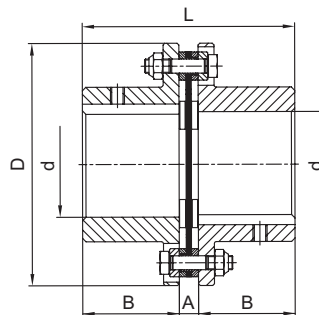
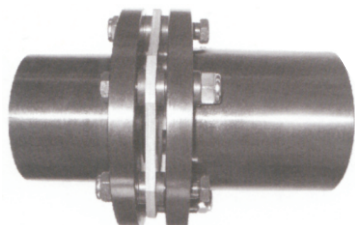
Main size and figure for DJM(T)type disc coupling with shaft lock

| 规格 Specification | 孔径d Diameter of hole mm | D mm | L mm | A mm | B mm | 重量 Weight kg | 最大转速 Limited rotational speed r/min | 公称扭矩 Nominal torsion N.m | 许用补偿量 Limited compensation | |
|---------------------|----------------------------------|---------|---------|---------|---------|--------------------|---|-----------------------------------|-------------------------------|---------------|
| | | | | | | | | | 角向 Angle | 轴向mm Axial |
| 01 | 8-22 | 68 | 90 | 6.1 | 26 | 0.85 | 20000 | 33 | 1° | ±0.8 |
| 02 | 10-32 | 81 | 95 | 6.6 | 26 | 1.2 | 20000 | 90 | 1° | ±1.0 |
| 03 | 10-35 | 93 | 110 | 8.4 | 29 | 1.7 | 18000 | 173 | 1° | ±1.2 |
| 04 | 10-42 | 104 | 124 | 11.2 | 34 | 2.7 | 15000 | 245 | 1° | ±1.4 |
| 05 | 15-50 | 126 | 152 | 11.7 | 42 | 6.5 | 13000 | 420 | 1° | ±1.6 |
| 06 | 15-60 | 143 | 160 | 11.7 | 48 | 8.9 | 12000 | 772 | 1° | ±1.8 |
| 07 | 20-70 | 168 | 200 | 16.8 | 58 | 15.8 | 10000 | 1270 | 1° | ±2.5 |

DJM型单型弹性膜片联轴器

DJM disc coupling

◇标记示例: DJM05-YA40×112/J1A35×60



DJM型单型弹性膜片联轴器

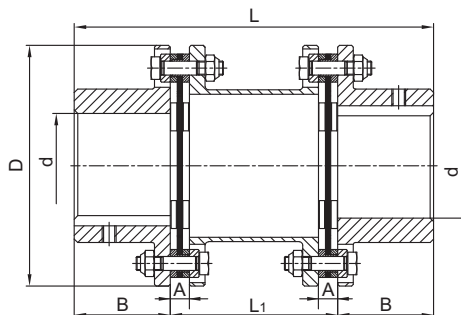
DJM single key elastic diaphragm Shaft coupling

◇DJM型单型弹性膜片联轴器的主要尺寸和参数

Main size and figures of DJM type signal elastic diaphragm Shaft coupling

| 规格 Specification | 公称扭矩 Nominal torsion N.m | 许用转速 Limited rotational speed r/min | 重量 Weight kg | 转动惯量 Rotate inertia Kg.cm ² | dmax mm | D mm | L mm | A mm | B mm | 许用补偿量 Limited compensation | |
|---------------------|-----------------------------------|---|--------------------|---|------------|---------|---------|---------|---------|-------------------------------|---------------|
| | | | | | | | | | | 角向 Angle | 轴向mm Axial |
| 00 | 9.8 | 20000 | 0.14 | 1.74 | 20 | 57 | 44.9 | 4.9 | 20 | 1° | ±0.8 |
| 01 | 3.3 | 20000 | 0.6 | 8 | 22 | 68 | 58.1 | 6.1 | 26 | 1° | ±0.8 |
| 02 | 90 | 20000 | 1.1 | 24 | 32 | 81 | 58.6 | 6.6 | 26 | 1° | ±1.0 |
| 03 | 173 | 18000 | 1.7 | 48 | 35 | 93 | 66.4 | 8.4 | 29 | 1° | ±1.2 |
| 04 | 245 | 15000 | 2.5 | 80 | 42 | 104 | 79.2 | 11.2 | 34 | 1° | ±1.4 |
| 05 | 420 | 13000 | 4.3 | 224 | 50 | 128 | 95.7 | 11.7 | 42 | 45′ | ±1.6 |
| 06 | 772 | 12000 | 6.9 | 440 | 60 | 143 | 107.7 | 11.7 | 48 | 45′ | ±1.8 |
| 07 | 1270 | 10000 | 11.3 | 1080 | 75 | 168 | 130 | 14 | 58 | 45′ | ±2.0 |
| 08 | 2080 | 10000 | 16.7 | 2080 | 82 | 200 | 143 | 15 | 64 | 45′ | ±2.2 |
| 09 | 3328 | 9000 | 22.7 | 3520 | 95 | 215 | 175 | 21 | 77 | 45′ | ±2.4 |
| 10 | 4900 | 8000 | 35.4 | 7200 | 108 | 246 | 200.6 | 22.6 | 89 | 45′ | ±2.6 |
| 11 | 6368 | 8000 | 52 | 12800 | 110 | 276 | 227.8 | 23.8 | 102 | 45′ | ±2.8 |
| 12 | 8900 | 6300 | 57.2 | 14400 | 118 | 296 | 273.5 | 17.5 | 128 | 30′ | ±1.8 |
| 13 | 15280 | 5000 | 77.3 | 22200 | 135 | 308 | 339 | 19 | 160 | 30′ | ±2.0 |
| 14 | 25410 | 4700 | 123 | 40800 | 155 | 346 | 385.5 | 21.5 | 182 | 30′ | ±2.0 |
| 15 | 37130 | 4300 | 156 | 64800 | 165 | 375 | 420 | 24 | 198 | 30′ | ±2.0 |
| 16 | 47120 | 3900 | 191 | 100200 | 180 | 410 | 456 | 28 | 214 | 30′ | ±2.2 |
| 17 | 57000 | 3500 | 245 | 150000 | 190 | 445 | 479.5 | 29.5 | 225 | 30′ | ±2.2 |
| 18 | 63186 | 3500 | 329 | 186600 | 205 | 470 | 527 | 31 | 248 | 30′ | ±2.4 |
| 19 | 82590 | 3200 | 394 | 288000 | 230 | 512 | 588 | 32 | 278 | 30′ | ±2.4 |
| 20 | 102100 | 2800 | 530 | 448200 | 255 | 556 | 642.5 | 32.5 | 305 | 30′ | ±2.5 |
| 21 | 126070 | 2450 | 619 | 609600 | 265 | 588 | 670 | 34 | 318 | 30′ | ±2.7 |
| 22 | 146350 | 2150 | 683 | 831600 | 275 | 630 | 698.5 | 34.5 | 332 | 30′ | ±2.8 |
| 23 | 173830 | 2000 | 791 | 1070400 | 290 | 655 | 731.5 | 35.5 | 348 | 30′ | ±3.0 |

◇标记示例: SJM06 YB55×112/J1A40×84-110



SJM型双型弹性膜片联轴器

SJM Double key elastic diaphragm Shaft coupling

◇SJM型双型弹性膜片联轴器的主要尺寸和参数

Main size and figures of SJM type double elastic diaphragm Shaft coupling

| 规格 Specification | 公称扭矩 Nominal torsion N.m | 许用转速 Limited rotational speed r/min | 重量 Weight kg | 转动惯量 Rotate inertia Kg.cm ² | dmax mm | D mm | A mm | B mm | L mm | L1 mm | 许用补偿量 Limited compensation | | |
|---------------------|-----------------------------------|---|--------------------|---|------------|---------|---------|---------|---------|----------|-------------------------------|---------------|----------------|
| | | | | | | | | | | | 角向 Angle | 轴向mm Axial | 径向mm Radial |
| 00 | 9.8 | 20000 | 0.23 | 3 | 20 | 57 | 4.9 | 20 | 100 | 60 | 2° | ±1.6 | 0.5 |
| 01 | 33 | 20000 | 1.2 | 8 | 22 | 68 | 6.1 | 26 | 141 | 89 | 2° | ±1.6 | 0.5 |
| 02 | 90 | 20000 | 1.9 | 24 | 32 | 81 | 6.6 | 26 | 141 | 89 | 2° | ±1.6 | 0.5 |
| 03 | 173 | 18000 | 2.9 | 48 | 35 | 93 | 8.4 | 29 | 160 | 102 | 2° | ±2.4 | 0.6 |
| 04 | 245 | 15000 | 4.7 | 80 | 42 | 104 | 11.2 | 34 | 195 | 127 | 2° | ±2.8 | 0.7 |
| 05 | 420 | 13000 | 7.1 | 224 | 50 | 128 | 11.7 | 42 | 211 | 127 | 1° 30' | ±3.2 | 0.7 |
| 06 | 772 | 12000 | 10.8 | 440 | 60 | 143 | 11.7 | 48 | 223 | 127 | 1° 30' | ±3.6 | 0.8 |
| 07 | 1270 | 10000 | 16.3 | 1080 | 75 | 168 | 14 | 58 | 243 | 127 | 1° 30' | ±4.0 | 0.8 |
| 08 | 2080 | 10000 | 24.7 | 2080 | 82 | 194 | 15 | 64 | 268 | 140 | 1° 30' | ±4.4 | 0.9 |
| 09 | 3328 | 9000 | 32.5 | 3520 | 95 | 214 | 21 | 77 | 306 | 152 | 1° 30' | ±4.8 | 0.9 |
| 10 | 4900 | 8000 | 50.5 | 7200 | 108 | 246 | 22.6 | 89 | 356 | 178 | 1° 30' | ±5.2 | 1.0 |
| 11 | 6368 | 8000 | 75.0 | 12800 | 118 | 276 | 23.8 | 102 | 382 | 178 | 1° 30' | ±5.6 | 1.2 |
| 12 | 8900 | 6300 | 72.2 | 18000 | 110 | 276 | 17.5 | 128 | 409 | 153 | 1° | ±3.6 | 1.2 |
| 13 | 15280 | 5000 | 12 | 37000 | 135 | 308 | 19 | 160 | 492 | 172 | 1° | ±4.0 | 1.2 |
| 14 | 25410 | 4700 | 175 | 68000 | 155 | 346 | 21.5 | 182 | 554 | 190 | 1° | ±4.0 | 1.2 |
| 15 | 37130 | 4300 | 234 | 108000 | 165 | 375 | 24 | 198 | 620 | 224 | 1° | ±4.0 | 1.3 |
| 16 | 47120 | 3900 | 306 | 167000 | 180 | 410 | 28 | 214 | 682 | 254 | 1° | ±4.4 | 1.3 |
| 17 | 57000 | 3500 | 369 | 250000 | 190 | 445 | 29.5 | 225 | 720 | 270 | 1° | ±4.4 | 1.4 |
| 18 | 63186 | 3500 | 448 | 311000 | 205 | 470 | 31 | 248 | 770 | 274 | 1° | ±4.8 | 1.5 |
| 19 | 82590 | 3200 | 596 | 480000 | 230 | 512 | 32 | 278 | 843 | 287 | 1° | ±4.8 | 1.6 |
| 20 | 102100 | 2800 | 763 | 747000 | 255 | 556 | 32.5 | 305 | 902 | 292 | 1° | ±5.2 | 1.8 |
| 21 | 126070 | 2450 | 919 | 1016000 | 265 | 588 | 34 | 318 | 948 | 312 | 1° | ±5.4 | 1.8 |
| 22 | 146350 | 2150 | 1068 | 1386000 | 275 | 630 | 34.5 | 332 | 1008 | 344 | 1° | ±5.6 | 2 |
| 23 | 173830 | 2000 | 1235 | 1784000 | 290 | 655 | 35.5 | 348 | 1052 | 356 | 1° | ±6.0 | 2 |

ZDJM(ZSJM)型带锥套单(双)型弹性膜片联轴器

ZDJM(ZSJM) Type Bioated set binding elastic diaphragm Shat coupling

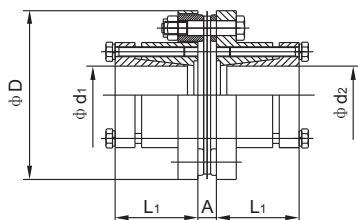


图1 ZDJM(YN)型
Design ZDJM(YN)

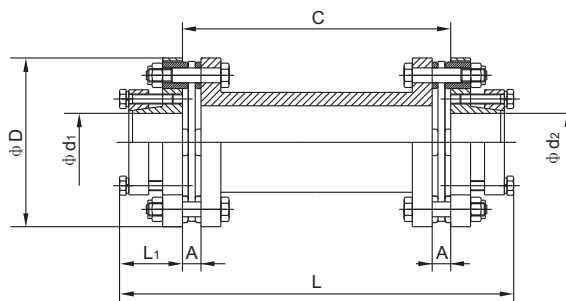


图2 ZSJM(YW)型
Design ZSJM(YW)

◇标记示例: Mark demonstration

ZDJM-02 YN20 / YN22

从动轴轴径 Diameter of driven shaft
主动轴轴径 Diameter of drive shaft
型号及规格 Type and formation

ZDJM-03 YW30 / YW35

ZSJM-03 YW30 / YW35-102

N:内锥套形式(图1) Inner drogue form

W:外锥套形式(图2) Outer drogue form

替代Z1型胀套的弹性膜片联轴器的最佳选择

It is the best resilient diaphragm shaft coupling instead of Z1 type locking device

◇主要特点 main feature

- 采用优良的不锈钢片做为弹性材料, 联轴器具有高扭转刚性, 更加适应自动控制传动的快速应答。
- 没有背隙、迟滞、可以进行高精度重复定位。
- 低惯性设计, 对于正反转、制动等都可以淋漓尽致地发挥其优异的耐久性。
- 最适合于数控机器的进给轴主轴用的联轴器。
- 本联轴器比胀套联结弹性膜片联轴器转动惯量小, 同等外径下, 适用轴孔更大、装拆更方便, 价格更低。

- Diaphragm materials is staidless steel alices, this coupling has high rigidity torques. Much more fit in speed respension for auto control transmission.
- without back lash、slow moving it can high definition and repeat orientation.
- Designing with low inertia. It can bring well into play its durability in normal-reverse transfer and brake place.
- This coupling is most suit in drive shaft of numerically controlled machine.
- Compared with resillient diaphragm with locking device coupling, It has minor inertia, easier loaded and unloaded, lower cost. And it can fit larger hole at the same outer diameter.

◇ZDJM(ZSJM)型带锥套单(双)型弹性膜片联轴器基本参数和主要尺寸

Main size and figures of ZDJM (ZSJM) Type Bioated set binding elastic diaphragm Shaft coupling

| 型号 Type | 公称扭矩 Nominal torsion N.m | 许用转速 Limited rota- tional speed r/min | 重量 Weight kg | 转动惯量 Rotate inertia Kg.cm ² | d1.d2 | D | L | L1 | C | A | 许用补偿量 Limited compensation | | |
|------------|--------------------------------|--|--------------------|---|-------|-----|-----|----|-----|------|-------------------------------|-------|------|
| | | | | | | | | | | | 轴向mm | 角向(0) | 径向mm |
| ZDJM-01 | 33 | 10000 | 1.10 | 0.78×10^{-3} | 10-30 | 68 | 64 | 25 | - | 6.1 | ±0.45 | 1 | 0.04 |
| ZSJM-01 | 33 | 10000 | 1.33 | 1.07×10^{-3} | 10-30 | 68 | 147 | 25 | 89 | 6.1 | ±0.9 | 2 | 0.3 |
| ZDJM-02 | 90 | 15000 | 1.38 | 1.24×10^{-3} | 15-35 | 81 | 73 | 29 | - | 6.6 | ±.55 | 1 | 0.04 |
| ZSJM-02 | 90 | 15000 | 1.74 | 1.61×10^{-3} | 15-35 | 81 | 155 | 29 | 89 | 6.6 | ±1.1 | 2 | 0.3 |
| ZDJM-03 | 173 | 15000 | 1.70 | 2.08×10^{-3} | 20-45 | 93 | 81 | 32 | - | 8.4 | ±1.2 | 1 | 0.04 |
| ZSJM-03 | 173 | 15000 | 2.16 | 2.71×10^{-3} | 20-45 | 93 | 174 | 32 | 102 | 8.4 | ±2.4 | 2 | 0.3 |
| ZDJM-04 | 245 | 15000 | 2.30 | 3.58×10^{-3} | 25-52 | 104 | 96 | 37 | - | 11.2 | ±1.4 | 1 | 0.04 |
| ZSJM-04 | 245 | 15000 | 2.86 | 4.53×10^{-3} | 25-52 | 104 | 212 | 37 | 127 | 11.2 | ±2.8 | 2 | 0.3 |
| ZDJM-05 | 420 | 15000 | 3.02 | 6.32×10^{-3} | 30-70 | 128 | 97 | 37 | - | 11.7 | ±1.6 | 1 | 0.04 |
| ZSJM-05 | 420 | 15000 | 4.18 | 7.93×10^{-3} | 30-70 | 128 | 212 | 37 | 127 | 11.7 | ±3.2 | 2 | 0.3 |