

Precision Couplings

A shaft coupling is a critical element in a robust and durable linear shaft drive. Misalignment of motor and drive shafts can cause loss of precision, noise and premature failure. By using a precision coupling shaft misalignment can be overcome without loss of precision. Choosing a shaft coupling requires consideration of a number of factors. The type of coupling to choose depends on the type of misalignment expected in the application and the precision required.

Amount of Backlash

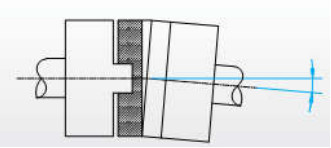
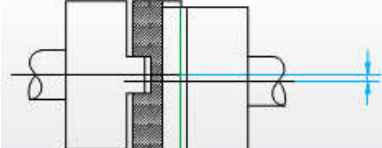
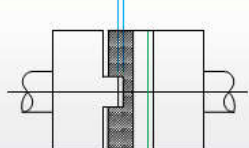
When precise positioning is required backlash of the coupling must be reduced as much as possible. One piece or bolted together couplings are backlash free but also transmit misalignments to bearings, shafts, motors and gearboxes causing premature failure.

Torsional Stiffness

Soft couplings have elastomeric (plastic or rubber) elements and are generally lower cost. These couplings may flex up to 5° at rated torque lowering precision and system response. Metal couplings are the stiffest.

| Reducing Backlash / Increasing Rigidity |
|---|
| Jaw Coupling |
| Precision Jaw |
| Oldham |
| Helical Beam |
| Disc coupling |

Types of Misalignment

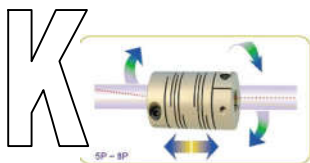
| Angular | Parallel | End Play |
|---|---|--|
| This is where the angular axis of the two shafts are at an angle to each other. | Where one shaft is offset in a parallel sense is described as radial misalignment. Good applications may have values in the fraction of mm. | This is where the position of one shaft to the other along the length of the shaft can vary. In practice this can be caused by temperature changes due to environment and machine operation. |
|  |  |  |

| Increasing misalignment ability |
|---------------------------------|
| Jaw Coupling |
| Precision Jaw |
| Oldham |
| Helical Beam |

Mechanical and Electrical isolation

The various couplings exhibit differing behaviour under mechanical or electrical stress. Three-piece couplings with plastic intermediate members offer electrical isolation of the moving carriage. This can reduce the potential for electrical damage to motors.

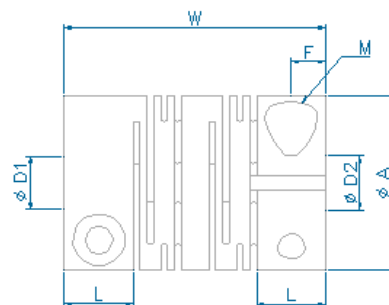
Oldham and helical beam couplings have the added benefit of acting as a mechanical fuse with the complete elimination of motion on failure of the coupling due to impact.



Helical Beam Couplings



- High rigidity
- Mechanical fuse
- High miss alignment

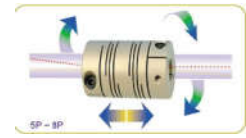


| PRODUCT CODE | DIMENSION(mm) | | | | | Weight (g) | Moment of inertia (kg·m ²) | Max · RPM (Min-1) | Rated Torque (N·m) | Max Torque (N·m) | Torsional Stiffness (N·m/rad) | Error of Misalignment | | |
|-----------------|---------------|-------------|-------------|-------------|------------|------------|--|-------------------|--------------------|------------------|-------------------------------|-----------------------|---------------|---------------|
| | A | L | W | F | M | | | | | | | Angle (°) | Parallel (mm) | End-Play (mm) |
| SRB-12C | 12.7 | 5 | 19 | 2.5 | 2 | 3.8 | 8×10 ⁻⁷ | 12000 | 0.2 | 0.4 | 36 | 2.5 ° | 0.1 | 0.3 |
| SRB-16C | 16 | 6.1 | 21.5 | 3.05 | 2.6 | 8.5 | 3.1×10⁻⁷ | 12000 | 0.4 | 0.8 | 65 | 2.5 ° | 0.15 | 0.3 |
| SRB-19C | 19.1 | 6.1 | 23 | 3.05 | 2.6 | 12 | 6.5×10 ⁻⁶ | 9500 | 0.6 | 1.2 | 140 | 2.5 ° | 0.15 | 0.4 |
| SRB-22C | 22.2 | 7.2 | 26.5 | 3.55 | 3 | 19 | 1.4×10⁻⁶ | 8500 | 1 | 2 | 170 | 2.5 ° | 0.15 | 0.4 |
| SRB-26C | 26.2 | 7.4 | 31.4 | 3.7 | 3 | 33 | 3.2×10 ⁻⁶ | 7500 | 1.5 | 3 | 240 | 2.5 ° | 0.2 | 0.5 |
| SRBA-32C | 31.8 | 9.4 | 39 | 4.7 | 4 | 60 | 9.1×10 ⁻⁵ | 6500 | 2.6 | 5.2 | 400 | 2.5 ° | 0.2 | 0.5 |
| SRBB-32C | 31.8 | 9.4 | 44 | 4.7 | 4 | 68 | 1.1×10⁻⁵ | 6000 | 2.6 | 5.2 | 380 | 2.5 ° | 0.25 | 0.5 |
| SRBA-39C | 39 | 10.5 | 43 | 5.35 | 5 | 95 | 2.2×10⁻⁵ | 5000 | 6.5 | 13 | 520 | 2.5 ° | 0.25 | 0.5 |
| SRBB-39C | 39 | 16 | 56 | 5.35 | 5 | 135 | 3.1×10⁻⁵ | 4100 | 6.5 | 13 | 460 | 2.5 ° | 0.25 | 0.5 |
| SRBA-49C | 49 | 15 | 63.5 | 7.5 | 6 | 260 | 8.4×10 ⁻⁵ | 3200 | 13 | 26 | 750 | 2.5 ° | 0.25 | 0.5 |
| SRBB-49C | 49 | 15 | 70 | 7.5 | 6 | 270 | 8.8×10⁻⁵ | 3200 | 13 | 26 | 700 | 2.5 ° | 0.25 | 0.5 |
| SRBA-60C | 60 | 19 | 76.2 | 9.35 | 8 | 440 | 2.5×10 ⁻⁴ | 2600 | 24 | 48 | 1000 | 2.5 ° | 0.25 | 0.5 |
| SRBB-60C | 60 | 19 | 88 | 9.35 | 8 | 520 | 3.0×10 ⁻⁴ | 2600 | 24 | 48 | 980 | 2.5 ° | 0.3 | 0.5 |

Types in bold are stocked in smallest bore for each size

Bore feasibility

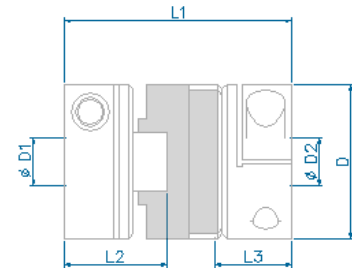
| PRODUCT NUMBER | (D1D2)INNER Diameter(mm) | | | | | | | | | | | | | | | | |
|----------------|--------------------------|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | ø3 | ø4 | ø5 | ø6 | ø8 | ø10 | ø11 | ø12 | ø14 | ø15 | ø16 | ø18 | ø19 | ø20 | ø22 | ø24 | ø25 |
| SRB-12C | | | | | | | | | | | | | | | | | |
| SRB-16C | | | | | | | | | | | | | | | | | |
| SRB-19C | | | | | | | | | | | | | | | | | |
| SRB-22C | | | | | | | | | | | | | | | | | |
| SRB-26C | | | | | | | | | | | | | | | | | |
| SRBA-32C | | | | | | | | | | | | | | | | | |
| SRBB-32C | | | | | | | | | | | | | | | | | |
| SRBA-39C | | | | | | | | | | | | | | | | | |
| SRBB-49C | | | | | | | | | | | | | | | | | |
| SRBB-60C | | | | | | | | | | | | | | | | | |



Oldham Couplings – our most popular



- Electrically isolating
- Mechanical fuse
- Replaceable insert
- High parallel miss alignment

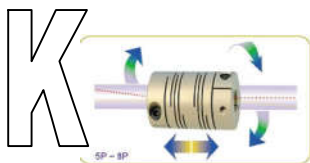


| PRODUCT NUMBER | DIMENSION(±0.3) | | | | Bolt M | Weight (gr) | Max Torque (N·m) | Rated Torque (N·m) | Torsional Stiffness (N·m/rad) | Moment of Inertia (kgm ²) | Max ·RPM (Min ⁻¹) | Error of Misalignment | | |
|----------------|-----------------|-------------|-------------|-------------|-------------|----------------|---------------------|-----------------------|----------------------------------|--|----------------------------------|-----------------------|---------------|---------------|
| | D | L 1 | L 2 | L 3 | | | | | | | | Angle (°) | Parallel (mm) | End Play (mm) |
| SOH-16C | 16 | 23.6 | 11 | 11 | M2.6 | 10 | 2 | 1 | 65 | 3.7×10⁻⁷ | 8,000 | 2° | 1 | 0.1 |
| SOH-16SC | 16 | 21 | 8 | 11 | M3 | 7.5 | 2 | 1 | 65 | 2.9×10 ⁻⁷ | 8,000 | 2° | 1 | 0.1 |
| SOHM-16C | 16 | 21 | 9.5 | 9.5 | M2.6 | 9 | 2 | 1 | 65 | 3.2×10 ⁻⁷ | 8,000 | 2° | 1 | 0.1 |
| SOH-20C | 20 | 25.5 | 11.8 | 11.8 | M2.6 | 16 | 3 | 1.5 | 120 | 9.3×10⁻⁷ | 7,000 | 2° | 1.5 | 0.1 |
| SOH-20SC | 20 | 22.8 | 8.9 | 11.8 | M4 | 15.5 | 3 | 1.5 | 120 | 9.0×10 ⁻⁷ | 7,000 | 2° | 1.5 | 0.1 |
| SOHM-20C | 20 | 22.5 | 10 | 10 | M2.6 | 14 | 3 | 1.5 | 120 | 8.2×10 ⁻⁷ | 7000 | 2° | 1.5 | 0.1 |
| SOH-25C | 25.5 | 32 | 14.8 | 14.8 | M3 | 34 | 5 | 2.5 | 200 | 3.3×10⁻⁶ | 6000 | 2° | 2 | 0.1 |
| SOH-25SC | 25.5 | 28.8 | 11.6 | 14.8 | M4 | 27 | 5 | 2.5 | 200 | 2.6×10 ⁻⁶ | 6000 | 2° | 2 | 0.1 |
| SOHM-25C | 25.5 | 27 | 12 | 12 | M3 | 27 | 5 | 2.5 | 200 | 2.6×10 ⁻⁶ | 6000 | 2° | 2 | 0.1 |
| SOH-32C | 32 | 45 | 21 | 21 | M4 | 80 | 14 | 7 | 620 | 1.3×10⁻⁵ | 4800 | 2° | 3 | 0.2 |
| SOH-32SC | 32 | 38.5 | 21 | 14.5 | M5 | 70 | 14 | 7 | 620 | 1.1×10 ⁻⁵ | 4800 | 2° | 2.5 | 0.2 |
| SOHM-32C | 32 | 35 | 16 | 16 | M4 | 52 | 14 | 7 | 620 | 8.3×10 ⁻⁶ | 4800 | 2° | 2.5 | 0.2 |
| SOH-43C | 43 | 52 | 24 | 24 | M5 | 160 | 30 | 15 | 1200 | 4.3×10⁻⁵ | 4000 | 2° | 3 | 0.2 |
| SOHM-43C | 43 | 47 | 21.2 | 21.2 | M5 | 132 | 30 | 15 | 1200 | 2.0×10 ⁻⁵ | 4000 | 2° | 3 | 0.2 |
| SOH-53C | 53 | 58 | 19.5 | 19.5 | M5 | 252 | 50 | 25 | 1400 | 1.0×10⁻⁴ | 3400 | 2° | 3.2 | 0.2 |
| SOHM-53C | 53 | 53 | 16.9 | 16.9 | M5 | 235 | 50 | 25 | 1400 | 9.6×10 ⁻⁵ | 3400 | 2° | 3.2 | 0.2 |
| SOHM-57C | 57 | 56 | 26.7 | 26.7 | M6 | 250 | 72 | 36 | 2600 | 1.3×10 ⁻⁴ | 3200 | 2° | 3.5 | 0.2 |
| SOH-57C | 57 | 77 | 36.5 | 36.5 | M6 | 390 | 72 | 36 | 2600 | 1.8×10⁻⁴ | 3200 | 2 | 3.5 | 0.2 |
| SOHM-70C | 73 | 77 | 37 | 37 | M8 | 450 | 130 | 65 | 4800 | 1.5×10 ⁻⁴ | 3200 | 2 | 3.5 | 0.2 |
| SOH-70C | 73 | 81.5 | 28 | 28 | M8 | 670 | 130 | 65 | 2000 | 5.4×10⁻⁴ | 4500 | 2 | 3.5 | 0.3 |

Types in bold are stocked in smallest bore for each size

Bore feasibility

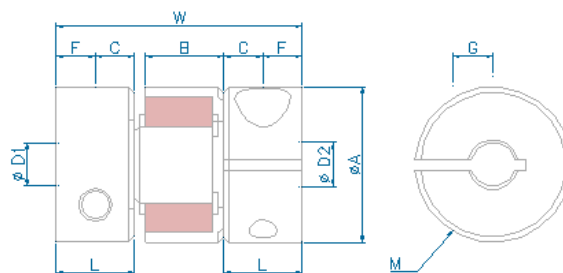
| PRODUCT NUMBER | Standard Shaft Diameter(D ₁ :D ₂) | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|--|----|----|----|-------|----|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----|-----|-----|-----|-----|--|--|
| | ø3 | ø4 | ø5 | ø6 | ø6.35 | ø8 | ø9.525 | ø10 | ø12 | ø14 | ø15 | ø16 | ø18 | ø19 | ø20 | ø22 | ø24 | ø25 | ø25.4 | ø28 | ø30 | ø32 | ø35 | ø40 | | |
| SOH-16C | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SOH-20C | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SOH-25C | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SOH-32C | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SOH-43C | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SOH-53C | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SOH-57C | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SOH-70C | | | | | | | | | | | | | | | | | | | | | | | | | | |



Precision Jaw Couplings – SJC Couplings



- Large bore types
- Electrically isolating

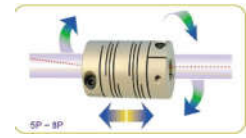


| PRODUCT NUMBER | DIMENSION(mm) | | | | | | | Sleeve (JIS A) | Zero Backlash (N.m) | Max Bore (mm) | Weight (g) | Moment of (kg·m ²) | Max RPM (Min-1) | Rated Torque (N-m) | Max Torque (N-m) | Wrench Torque (N-m) | Torsional Stiffness (N-m/rad) | Error of Misalignment | | |
|----------------|---------------|------|------|----|------|------|------|----------------|---------------------|---------------|------------|--------------------------------|-----------------|--------------------|------------------|---------------------|-------------------------------|-----------------------|------|------|
| | A | L | W | B | C | F | M | | | | | | | | | | | (°) | (mm) | (mm) |
| SJC-14C GR | 14 | 7 | 22 | 6 | 1 | 3.5 | M2 | 92 | 0.2 | 5 | 6 | 1.6×10 ⁻⁷ | 11000 | 1.2 | 2.4 | 0.5 | 14 | 1.0 | 0.1 | +0.6 |
| SJC-14C RD | 14 | 7 | 22 | 6 | 1 | 3.5 | M2 | 98 | 0.2 | 5 | 6 | 1.6×10 ⁻⁷ | 11000 | 2 | 4 | 0.5 | 22 | 1.0 | 0.1 | +0.6 |
| SJC-20C GR | 20 | 10 | 30 | 8 | 1 | 5 | M2.6 | 92 | 0.2 | 8 | 19 | 1.1×10 ⁻⁶ | 7600 | 3 | 6 | 1 | 29 | 1.0 | 0.15 | +0.8 |
| SJC-20C RD | 20 | 10 | 30 | 8 | 1 | 5 | M2.6 | 98 | 0.2 | 8 | 19 | 1.1×10 ⁻⁶ | 7600 | 5 | 10 | 1 | 55 | 1.0 | 0.1 | +0.8 |
| SJC-25C GR | 25 | 10 | 32.5 | 9 | 1.25 | 5 | M3 | 92 | 0.35 | 12 | 25 | 2.4×10 ⁻⁶ | 6200 | 5 | 10 | 1.8 | 45 | 1.0 | 0.15 | +1.0 |
| SJC-25C RD | 25 | 10 | 32.5 | 9 | 1.25 | 5 | M3 | 98 | 0.35 | 12 | 25 | 2.4×10 ⁻⁶ | 6200 | 9 | 18 | 1.8 | 80 | 1.0 | 0.1 | +1.0 |
| SJCA-30C GR | 30 | 11.3 | 35 | 10 | 1.5 | 5.5 | M4 | 98 | 0.5 | 14 | 50 | 6.2×10 ⁻⁶ | 5100 | 7.5 | 15 | 2.5 | 73 | 1.0 | 0.15 | +1.0 |
| SJCB-30C GR | 30 | 15.8 | 44 | 10 | 1.5 | 5.5 | M4 | 92 | - | 14 | 55 | 7.5×10 ⁻⁶ | 5100 | 7.5 | 15 | 2.5 | 73 | 1.0 | 0.15 | +1.0 |
| SJCA-30C RD | 30 | 11.3 | 35 | 10 | 1.5 | 5.5 | M4 | 98 | 0.5 | 14 | 50 | 6.2×10 ⁻⁶ | 5100 | 7.5 | 15 | 2.5 | 73 | 1.0 | 0.15 | +1.0 |
| SJCB-30C RD | 30 | 15.8 | 44 | 10 | 1.5 | 5.5 | M4 | 98 | - | 14 | 55 | 7.5×10 ⁻⁶ | 5100 | 7.5 | 15 | 2.5 | 73 | 1.0 | 0.15 | +1.0 |
| SJCA-40C GR | 40 | 19.5 | 55 | 12 | 2 | 6.7 | M5 | 92 | - | 18 | 135 | 3.1×10 ⁻⁵ | 3800 | 10 | 20 | 4 | 570 | 1.0 | 0.1 | +1.2 |
| SJCB-40C GR | 40 | 25 | 66 | 12 | 2 | 8.5 | M5 | 98 | 1.2 | 18 | 160 | 3.9×10 ⁻⁵ | 3800 | 10 | 20 | 4 | 570 | 1.0 | 0.1 | +1.2 |
| SJCA-40C RD | 40 | 19.5 | 55 | 12 | 2 | 6.7 | M5 | 98 | - | 18 | 135 | 3.1×10 ⁻⁵ | 3800 | 10 | 20 | 4 | 570 | 1.0 | 0.1 | +1.2 |
| SJCB-40C RD | 40 | 25 | 66 | 12 | 2 | 8.5 | M5 | 98 | 1.2 | 18 | 160 | 3.9×10 ⁻⁵ | 3800 | 10 | 20 | 4 | 570 | 1.0 | 0.1 | +1.2 |
| SJC-55C GR | 55 | 30 | 78 | 14 | 2 | 10.5 | M6 | 92 | - | 25 | 330 | 1.6×10 ⁻⁴ | 2800 | 35 | 70 | 8 | 1600 | 1.0 | 0.15 | +1.4 |
| SJC-55C RD | 55 | 30 | 78 | 14 | 2 | 10.5 | M6 | 98 | - | 25 | 330 | 1.6×10 ⁻⁴ | 2800 | 60 | 120 | 8 | 2600 | 1.0 | 0.1 | +1.4 |
| SJC-65C GR | 65 | 35 | 90 | 15 | 2.5 | 13 | M8 | 92 | - | 30 | 560 | 3.8×10 ⁻⁴ | 2350 | 95 | 190 | 16 | 3000 | 1.0 | 0.15 | +1.5 |
| SJC-65C RD | 65 | 35 | 90 | 15 | 2.5 | 13 | M8 | 98 | - | 30 | 560 | 3.8×10 ⁻⁴ | 2350 | 160 | 320 | 16 | 4900 | 1.0 | 0.1 | +1.5 |
| SJC-80C GR | 80 | 45 | 114 | 18 | 3 | 15 | M8 | 92 | - | 40 | 1050 | 1.0×10 ⁻³ | 1800 | 190 | 380 | 20 | 6500 | 1.0 | 0.1 | +1.5 |
| SJC-80C RD | 80 | 45 | 114 | 18 | 3 | 15 | M8 | 98 | - | 40 | 1050 | 1.0×10 ⁻³ | 1800 | 320 | 640 | 20 | 11000 | 1.0 | 0.1 | +1.5 |
| SJC-100C-GR | 104 | 56 | 140 | 21 | 3.5 | 20 | M12 | 92 | | 60 | 2550 | 4.6×10 ⁻³ | 3000 | 300 | 600 | 120 | 7000 | 1 | 0.15 | 2 |
| SCJ-100C-RD | 104 | 56 | 140 | 21 | 3.5 | 20 | M12 | 98 | | 60 | 2550 | 4.6×10 ⁻³ | 3000 | 600 | 1200 | 120 | 30000 | 1 | 0.1 | 2 |

Indent only

Bore feasibility

| PRODUCT NUMBER | Stock Bores D1 - D2 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|---------------------|----|------|----|----|-------|----|----|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| | ø3 | ø4 | ø4.5 | ø5 | ø6 | ø6.35 | ø7 | ø8 | ø9.525 | ø10 | ø11 | ø12 | ø14 | ø15 | ø16 | ø18 | ø19 | ø20 | ø25 | ø26 | ø28 | ø30 | ø35 | ø40 | ø45 | ø50 | ø60 | |
| SJC-14C | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SJC-20C | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SJC-25C | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SJC-30C | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SJC-40C | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SJC-55C | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SJC-65C | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SJC-80C | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SJC-100C | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

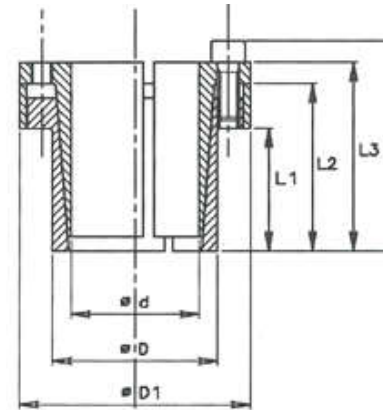


Friction Bushes – CLK Couplings



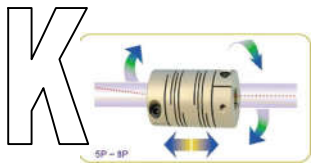
- Easy assembly and disassembly
- No keyways required
- Simple axial and rotational adjustment
- Ideal for timing pulleys
- Simple machining requirements

Recommended tolerance h8/H8



| Code | Size | L1 | L2 | L3 | B | D1 | Torque | Axial Thrust | Surface pressures on | | Tightening | Tightening |
|---------------------|--------------|-----------|-----------|-----------|-----------|-----------|-------------|-------------------|----------------------|------------|-------------|------------|
| | dXD | | | | | | | | Shaft PW | Hub Ph | | |
| | mm | mm | mm | mm | mm | Nm | KN | N/mm ² | N/mm ² | | Nm | |
| CLK110 6-14 | 6x14 | 10 | 18 | 21 | 24 | 25 | 12 | 4 | 185 | 80 | 3xM3 | 2 |
| CLK110 7-15 | 7x15 | 12 | 22 | 25 | 29 | 27 | 25 | 7 | 235 | 110 | 3xM4 | 5 |
| CLK110 8-15 | 8x15 | 12 | 22 | 25 | 29 | 27 | 29 | 7 | 205 | 110 | 3xM4 | 5 |
| CLK110 9-16 | 9x16 | 14 | 23 | 26 | 30 | 28 | 44 | 10 | 205 | 115 | 4xM4 | 5 |
| CLK110 10-16 | 10x16 | 14 | 23 | 26 | 30 | 28 | 49 | 10 | 185 | 115 | 4xM4 | 5 |
| CLK110 11-18 | 11x18 | 14 | 23 | 26 | 30 | 32 | 53 | 10 | 170 | 105 | 4xM4 | 5 |
| CLK110 12-18 | 12x18 | 14 | 23 | 26 | 30 | 32 | 58 | 10 | 160 | 105 | 4xM4 | 5 |
| CLK110 13-23 | 13x23 | 14 | 23 | 26 | 30 | 38 | 63 | 10 | 140 | 80 | 4xM4 | 5 |
| CLK110 14-23 | 14x23 | 14 | 23 | 26 | 30 | 38 | 68 | 10 | 130 | 80 | 4xM4 | 5 |
| CLK110 15-24 | 15x24 | 16 | 29 | 36 | 42 | 45 | 127 | 17 | 185 | 115 | 3xM6 | 17 |
| CLK110 16-24 | 16x24 | 16 | 29 | 36 | 42 | 45 | 136 | 17 | 175 | 115 | 3xM6 | 17 |
| CLK110 17-26 | 17x26 | 18 | 31 | 38 | 44 | 47 | 180 | 22 | 190 | 125 | 4xM6 | 17 |
| CLK110 18-26 | 18x26 | 18 | 31 | 38 | 44 | 47 | 200 | 22 | 180 | 125 | 4xM6 | 17 |
| CLK110 19-27 | 19x27 | 18 | 31 | 38 | 44 | 49 | 210 | 22 | 170 | 120 | 4xM6 | 17 |
| CLK110 20-28 | 20x28 | 18 | 31 | 38 | 44 | 50 | 220 | 22 | 160 | 115 | 4xM6 | 17 |
| CLK110 22-32 | 22x32 | 25 | 38 | 45 | 51 | 54 | 250 | 22 | 115 | 80 | 4xM6 | 17 |
| CLK110 24-34 | 24x34 | 25 | 38 | 45 | 51 | 56 | 270 | 22 | 105 | 75 | 4xM6 | 17 |
| CLK110 25-34 | 25x34 | 25 | 38 | 45 | 51 | 56 | 280 | 22 | 100 | 75 | 4xM6 | 17 |
| CLK110 28-39 | 28x39 | 25 | 38 | 45 | 51 | 61 | 465 | 33 | 135 | 97 | 6xM6 | 17 |
| CLK110 30-41 | 30x41 | 25 | 38 | 45 | 51 | 62 | 510 | 33 | 127 | 90 | 6xM6 | 17 |
| CLK110 32-43 | 32x43 | 25 | 38 | 45 | 51 | 65 | 540 | 33 | 120 | 90 | 6xM6 | 17 |
| CLK110 35-47 | 35x47 | 32 | 45 | 52 | 58 | 69 | 790 | 45 | 105 | 80 | 8xM6 | 17 |
| CLK110 38-50 | 38x50 | 32 | 45 | 52 | 58 | 72 | 860 | 45 | 100 | 75 | 8xM6 | 17 |
| CLK110 40-53 | 40x53 | 32 | 45 | 52 | 58 | 75 | 900 | 45 | 95 | 70 | 8xM6 | 17 |
| CLK110 42-55 | 42x55 | 32 | 45 | 52 | 58 | 78 | 950 | 45 | 90 | 70 | 8xM6 | 17 |
| CLK110 45-59 | 45x59 | 45 | 62 | 70 | 78 | 86 | 1890 | 84 | 110 | 85 | 8xM8 | 41 |
| CLK110 48-62 | 48x62 | 45 | 62 | 70 | 78 | 87 | 2010 | 84 | 105 | 80 | 8xM8 | 41 |
| CLK110 50-65 | 50x65 | 45 | 62 | 70 | 78 | 92 | 2100 | 84 | 100 | 75 | 8xM8 | 41 |
| CLK110 55-71 | 55x71 | 55 | 72 | 80 | 88 | 98 | 2600 | 94 | 85 | 65 | 9xM8 | 41 |
| CLK110 60-77 | 60x77 | 55 | 72 | 80 | 88 | 104 | 2840 | 94 | 75 | 60 | 9xM8 | 41 |
| CLK110 65-84 | 65x84 | 55 | 72 | 80 | 88 | 111 | 3070 | 94 | 70 | 55 | 9xM8 | 41 |
| CLK110 70-90 | 70x90 | 65 | 86 | 96 | 106 | 119 | 5250 | 150 | 90 | 70 | 9xM10 | 83 |
| CLK110 75-95 | 75x95 | 65 | 86 | 96 | 106 | 126 | 5600 | 150 | 80 | 65 | 9xM10 | 83 |
| CLK110 80-100 | 80x100 | 65 | 86 | 96 | 106 | 131 | 8020 | 200 | 100 | 80 | 12xM10 | 83 |
| CLK110 85-106 | 85x106 | 65 | 86 | 96 | 106 | 137 | 8500 | 200 | 95 | 75 | 12xM10 | 83 |
| CLK110 90-112 | 90x112 | 65 | 86 | 96 | 106 | 144 | 9000 | 200 | 90 | 75 | 12xM10 | 83 |
| CLK110 95-120 | 95x120 | 65 | 86 | 96 | 106 | 149 | 11000 | 230 | 100 | 80 | 14xM10 | 83 |
| CLK110 100-125 | 100x125 | 65 | 86 | 96 | 106 | 154 | 15000 | 300 | 120 | 95 | 18xM10 | 83 |
| CLK110 110-140 | 110x140 | 90 | 114 | 128 | 140 | 180 | 16000 | 290 | 80 | 65 | 12xM12 | 145 |
| CLK110 120-155 | 120x155 | 90 | 114 | 128 | 140 | 198 | 17500 | 290 | 70 | 55 | 12xM12 | 145 |
| CLK110 130-165 | 130x165 | 90 | 114 | 128 | 140 | 208 | 25000 | 384 | 90 | 70 | 16xM12 | 145 |

Normal stock items in bold type



Other types available



DISK COUPLING

DISK COUPLING of SI is built-in coupling which provides big torsion rigidity and superior mobility, and it is high precision coupling that has nearly permanent lifespan.



FLEXIBLE COUPLING

Absorb large amplitude, eccentricity and end play simultaneously
Absorb shock and vibration perfectly
No lubrication and low inertia moment



HIGH TORQUE FLEXIBLE DISK COUPLING

New Ideal and Best Suited Design
Ideal-Realization of Servo System
SHD Series-High Torque Flexible Disk Coupling
New developed flexible disk



CLOSS JOINT COUPLING

The precision calibration coupling of the cross joint type, which can easily absorb eccentricity and amplitude instrumentally, is a coupling

- Some types available in stainless steel
- Non precision types also available