**PARTS LIST**

1. INPUT CLAMP HUB
2. MIDDLE ELEMENTS
3. OUTPUT CLAMP HUB
4. CLAMP SCREW

**Installation Instructions for Control flex Single Disc  
Clamp Couplings****1. Tools Required:**

- Torque wrench with hex socket for clamp hub socket head cap screws.
- Laser alignment tool or dial indicator (recommended). If not available a straight edge and feeler gauges.
- Caliper

2. These instructions are for standard series couplings with normal running conditions. Special couplings may have different instructions or drawings.

3. When initially mounting the coupling, the misalignment may be one and one half times the maximum permissible misalignment shown in the catalog. Inspect hub bores, shafts, and keyways making sure there are no burrs. Clean hub bores and shafts. Standard control flex coupling hubs are supplied with slight clearance fit (see catalog).

4. Install the coupling onto the shafts. It is recommended that the ends of both shafts be flush with the end of each hub. If the shaft extends past the hub face verify there is enough clearance between shaft and flex disc that the shaft will not contact the flex disc during operation. Tighten one clamp hub socket head cap screw to lock the hub onto the shaft. See the table for the proper tightening torque.

5. Adjust hub separation to dimension "C" specified in the Table and diagram. Tighten Second hub to the shaft.

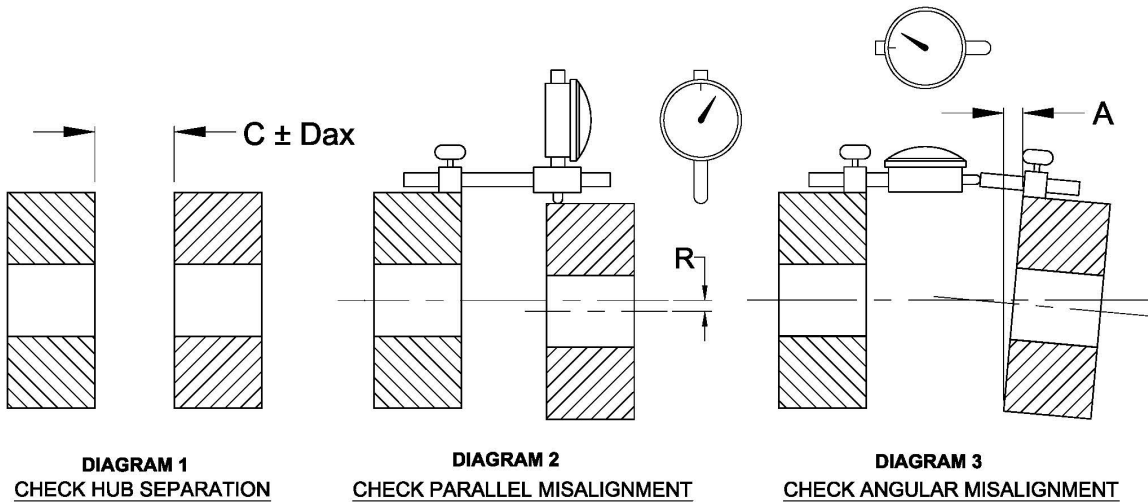
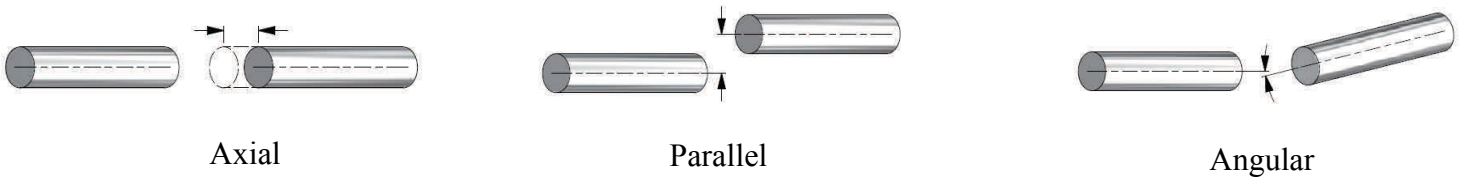
6. Align the shafts within the limits for parallel and angular misalignment specified on page two. For best alignment results, use a laser alignment tool or dial indicator.

**Note:** Aligning the shafts as closely as possible at the time of initial installation will reduce noise and allow the coupling extra capacity for misalignments and loads which will occur during operation over the life of the connected equipment. Installing and operating coupling at higher degrees of misalignment is possible (see catalog ratings), but will generally reduce the life of the flex disc.

Coupling and shaft alignment should be checked periodically due to foundation settling, equipment shifting, etc. Alignment should be re-checked after the first several hours of operation.



**Caution: Rotating equipment is potentially dangerous and should be properly guarded. It is the responsibility of the machine builder, user, or operator to follow all applicable safety codes and provide a suitable guard. Make sure the machine is "locked out" and cannot be accidentally started during installation or maintenance of coupling.**



**Table 1**  
**Alignment and Assembly Specifications for**  
**Control Flex Double Disc Couplings.**

Model	Axial Displacement		Parallel Displacement R Inch [mm]	Angular Misalignment		Hub Clamp Screw Specifications	
	C Inch [mm]	D <sub>ax</sub> Inch [mm]		A Inch [mm]	Angle	Wrench Size	In lb [Nm]
C208P	0.344 [8.74]	0.0012 [0.030]	0.0015 [0.038]	0.0021 [0.055]	0.167	5/64 inch	3.5 [0.4]
C211P	0.458 [11.63]	0.0015 [0.038]	0.0020 [0.050]	0.0028 [0.072]	0.167	2.5mm	11.5 [1.3]
C216P	0.688 [17.48]	0.0023 [0.059]	0.0032 [0.080]	0.0042 [0.11]	0.167	3mm	27 [3]
C223P	1.031 [26.19]	0.0033 [0.085]	0.0045 [0.11]	0.006 [0.16]	0.167	5mm	70 [8]
C231P	1.375 [34.93]	0.0046 [0.11]	0.006 [0.15]	0.009 [0.22]	0.167	6mm	212 [24]