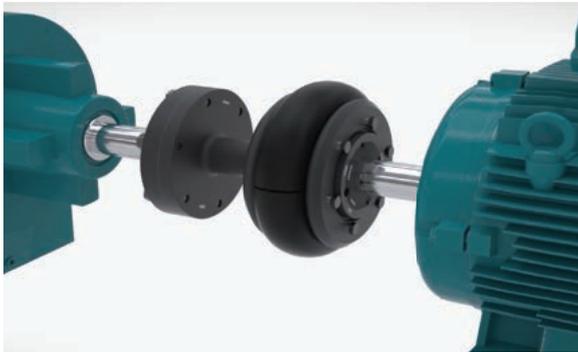


Fenaflex® Spacer Coupling



Fenaflex Spacer couplings consist of a Fenaflex tyre coupling (size F40 - F140) plus a spacer flange assembly. A full set for Fenaflex shaft to shaft coupling using flexible tyre consists of:

- 1 x Spacer Assembly
- 2 x Fenaflex Flanges
- 3 x Taper Lock Bushes
- 1 x Fenaflex Tyre

They are designed for use on applications where it is an advantage to be able to move either shaft axially without disturbing the driving or driven machine (e.g. centrifugal pump rotors), Fenaflex spacer couplings are primarily designed for standard distance between shaft end dimensions of 80, 100, 140 and 180 mm.

TO INSTALL

1. Thoroughly clean all components.
2. Place each cleaned Taper Lock® Bush in its respective flange and slide the flange onto its shaft. If keys are required, slide fitting keys with top clearance should be used.
3. Using a straight edge line up the faces indicated (#) with the shaft ends. Using a dial gauge check the runout of the spacer flange.
4. Position Fenaflex flange on spacer shaft to dimension 'Y' shown in Table 3 and secure with Taper Lock Bush. This ensures that the distance between the flanges 'M' is maintained on assembly. For sizes F40, 50 & 60, ignore the internal clamp ring when measuring Y.
5. Locate spacer flange onto the half-rigid flange, engage spigot, align holes, insert screws and tighten to torques given in Table 4. See important note above.
6. Open out the tyre and fit over the coupling flanges ensuring that the tyre bead seats properly on the flanges. To ensure proper seating it may be necessary to strike the tyre with a small mallet. When seated there should be a gap in the tyre as shown in Table 2.
7. Tighten clamping ring screws alternately and evenly (half turn at a time), working around each flange until the required screw torque is achieved consistently, see Table 1.

TO DISMANTLE

1. Remove clamping ring screws progressively and evenly (half turn at a time) to prevent distortion of the clamping rings.
2. Remove tyre.
3. Remove spacer flange screws and lift out spacer sub-assembly.

Table 3

| Coupling Size | 'Y' for Nominal D.B.S.E. | | |
|---------------|--------------------------|-----|-----|
| | 100 | 140 | 180 |
| F40 | 78 | 118 | |
| F50 | 75 | 115 | |
| F60 | 67 | 107 | |
| F70 | 77 | 117 | 157 |
| F80 | 75 | 115 | 155 |
| F90 | 73 | 113 | 153 |
| F100 | | 113 | 153 |
| F110 | | 115 | 155 |
| F120 | | 111 | 151 |
| F140 | | 108 | 148 |

Table 4

| Flange Size | Screws | |
|-------------|--------|-----------|
| | Size | Torque Nm |
| SM12 | M8 | 15 |
| SM16 | M10 | 20 |
| SM25 | M12 | 25 |
| SM30 | M16 | 40 |
| SM35 | M16 | 90 |

IMPORTANT NOTE:

Spacer flange assemblies comprise two components, selectively assembled to ensure accurate running. Before separating the components for assembly EITHER, locate the markings on the component rims, OR, if no markings are apparent, apply markings, such as to ensure re-assembly exactly as supplied. Do not mix components when working with multiple assemblies.