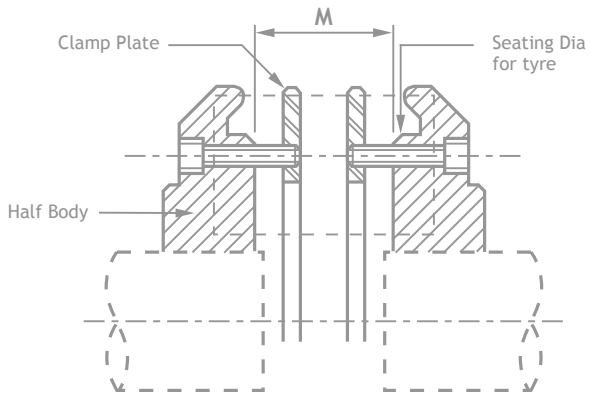
Tyreflex

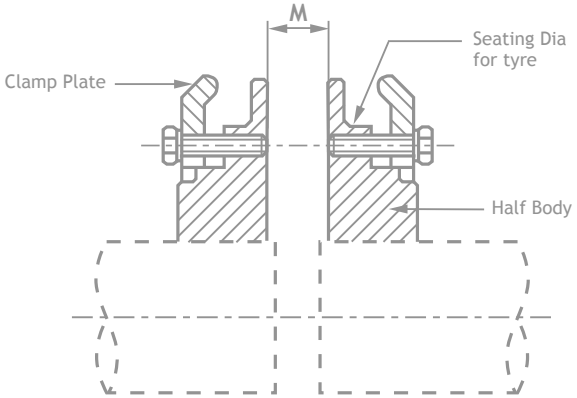
Installation and lubrication instructions

RENOLD

Superior Coupling Technology



SIZES TY40 - TY60
(Internal Clamp Plate)



SIZES TY70 - TY180
(External Clamp Plate)

1. Thoroughly clean all components.
2. Fit flanges to the shafts after placing the external clamps plates on the shafts. (Where Taper Bush flanges are used, see separate fitting instructions supplied with the Taper Bushes). Locate flanges so dimension M is obtained (see Para 3). Flanges with internal clamp plates should have the clamp plates fitted, engaging only 2 or 3 of the threads of the screw.
3. Bring shafts into line until dimension M is obtained [*Table 1*]. If shaft end float is to occur, locate the shafts at mid-position of end float when checking dimension M. Note that shaft ends may project beyond the faces of the flanges if required. In this event, allow sufficient space between shaft ends for end float and mis-alignment.
4. Check parallel alignment by laying a straight edge across the flanges at several positions around the circumference. Check angular alignment by measuring gap between flanges at several positions around the circumference. It is desirable to align the coupling as accurately as possible, particularly on high speed applications.
5. Open out tyre afit over coupling flanges ensuring that the tyre beads seat properly on the flanges and/or clamp plates. To ensure proper seating, it may be necessary to strike the outside diameter of the tyre with a small mallet. When seated there should be agap betweeb the ends of the tyre shown in [*Table 1*].
6. Tighten clamp plate screws alternately and evenly (half turn at a time) working round each flange until the required screw torque is achieved [*Table 1*].

[*Table 1*]

Coupling Size	TY40	TY50	TY60	TY70	TY80	TY90	TY100	TY110	TY120	TY140	TY160	TY180
M mm	22	25	33	23	25	27	27	25	29	32	30	46
Screw Size	M6	M6	M6	M8	M8	M10	M10	M10	M12	M12	M16	M16
Clamping Screw Torque Nm	15	15	15	27	27	48	48	40	50	55	80	105
Tyre Gap mm	2	2	2	3	3	3	3	3	3	5	5	6

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