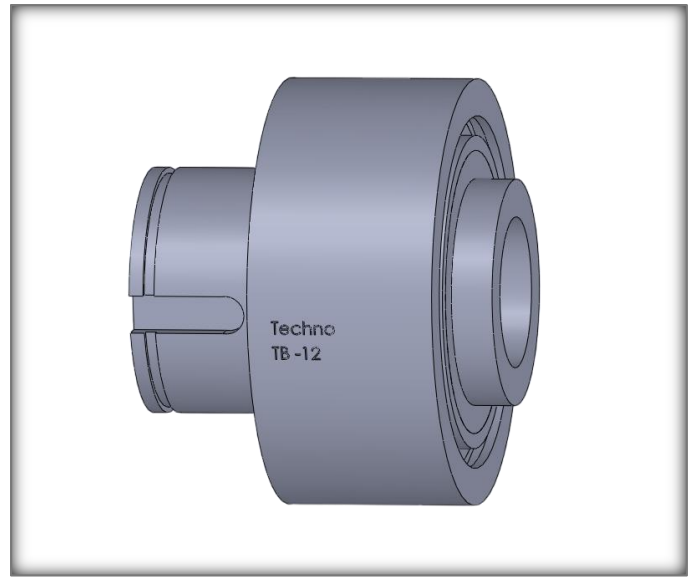
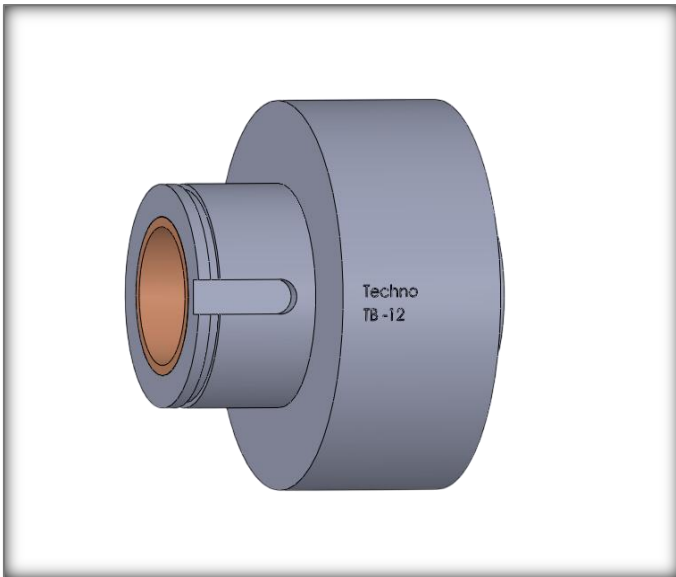
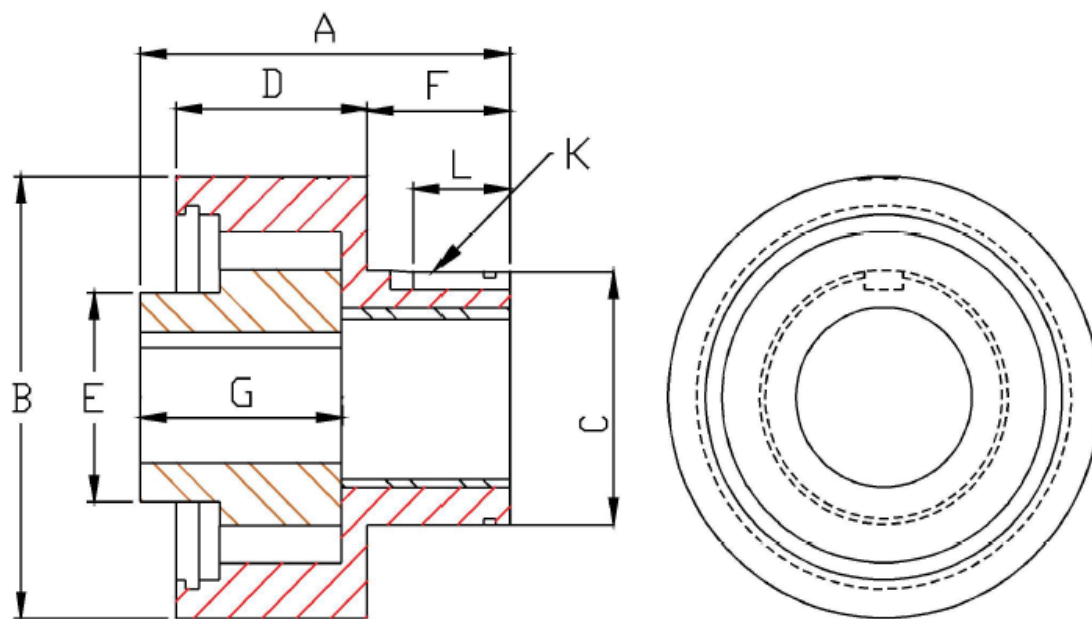


## INDEXING FREEWHEEL - TB SERIES



- Concentricity between the inner race and outer race is maintained by the plain bearing located between the outer race and the shaft. The radial load acting on the outer race is also supported by this plain bearing. Therefore, the shaft should extend through the clutch outer race end.
- Do not use the TB Series Cam Clutch as a coupling. When connecting two shafts, use it together with a suitable flexible coupling.
- Specify Right-Hand (RH) or Left-Hand (LH) inner race drive, viewed from the end indicated by the arrow in the illustration. Before initial operation, confirm that the clutch rotates in the correct direction.
- For indexing applications, oil lubrication is recommended.
- The bore of the driven component, such as a sprocket fitted to the clutch outer race, should be properly matched to ensure secure and reliable mounting.



| Model | Max Torque (N-m) | Max Overrunning - Inner Race (r/min) | Max Overrunning - Outer Race (r/min) | Max Indexing (cycle/min) | Stock Bore Dia. J7 (mm) | Stock Bore Keyway (mm) | A (mm) | B (mm) | Ch7 (mm) | D (mm) | E (mm) | F (mm) | G (mm) | Outer Race Keyway K (mm) | Outer Race Keyway L (mm) | Weight (kg) | Lubrication Filler Plug Size x Pitch |
|-------|------------------|--------------------------------------|--------------------------------------|--------------------------|-------------------------|------------------------|--------|--------|----------|--------|--------|--------|--------|--------------------------|--------------------------|-------------|--------------------------------------|
| TB 3  | 29.4             | 1,800.0                              | 900.0                                | 150.0                    | 10                      | 4 x 1.5                | 50     | 50     | 23       | 22     | 25     | 21     | 25.7   | 4 x 2.5                  | 16                       | 0.23        | M6 x P1.0                            |
| TB 5  | 147.0            | 1,800.0                              | 900.0                                | 150.0                    | 16                      | 5 x 2.0                | 70     | 60     | 32       | 32     | 35     | 25     | 38.8   | 5 x 3.0                  | 20                       | 0.58        | M6 x P1.0                            |
| TB 6  | 382.0            | 1,500.0                              | 800.0                                | 150.0                    | 20                      | 5 x 2.0                | 82     | 73     | 38       | 38     | 37     | 33     | 41     | 5 x 3.0                  | 27                       | 1.10        | M6 x P1.0                            |
| TB 8  | 568.0            | 1,200.0                              | 650.0                                | 150.0                    | 25                      | 7 x 3.0                | 85     | 83     | 45       | 40     | 45     | 33     | 42     | 7 x 4.0                  | 27                       | 1.60        | M6 x P1.0                            |
| TB 10 | 1,104.0          | 1,000.0                              | 400.0                                | 150.0                    | 31.5                    | 10 x 3.5               | 90     | 95     | 57       | 45     | 55     | 37     | 42     | 10 x 4.5                 | 28                       | 2.50        | M6 x P1.0                            |
| TB 12 | 1,800.0          | 800.0                                | 300.0                                | 150.0                    | 40                      | 10 x 3.5               | 100    | 113    | 65       | 50     | 60     | 37     | 53.5   | 10 x 4.5                 | 29                       | 3.60        | M6 x P1.0                            |
| TB 14 | 2,110.0          | 700.0                                | 300.0                                | 150.0                    | 45                      | 12 x 3.5               | 112    | 133    | 75       | 54     | 76     | 41     | 57.3   | 12 x 4.5                 | 30                       | 6.00        | M6 x P1.0                            |