

# X32210/Y32210 Timken 50x90x24.75mm Calculation factor (e) 0.42 Tapered roller bearings

|  |               |
|--|---------------|
| Bearing number                             | X32210/Y32210 |
| Size (mm)                                  | 50x90x24.75   |
| Brand                                      | Timken        |
| Bore Diameter (mm)                         | 50            |
| Outer Diameter (mm)                        | 90            |
| Width (mm)                                 | 24.75         |
| d  | 50 mm         |
| D  | 90 mm         |
| T  | 24.75 mm      |
| B  | 23 mm         |
| C  | 19 mm         |
| R  | 1.5 mm        |
| r  | 1.5 mm        |
| a –  | 3.6 mm        |
| Da   | 85 mm         |
| db   | 58 mm         |
| da   | 56 mm         |
| Db   | 81 mm         |
| Aa   | 1.9 mm        |
| Ab   | 2.3 mm        |
| Weight                                     | 0.62 Kg       |
| Basic static load rating (C <sub>0</sub> ) | 100 kN        |

|                                  |         |
|----------------------------------|---------|
| Factor (G1)                      | 33.4    |
| Factor (G2)                      | 16.3    |
| Factor (Cg)                      | 0.0214  |
| Factor (K)                       | 1.39    |
| Basic dynamic load rating (C90)  | 21.3    |
| Basic dynamic load rating (Ca90) | 15.3    |
| Basic dynamic load rating (C1)   | 82.2 kN |
| Calculation factor (e)           | 0.42    |