

# X30207/Y30207 Timken 35x72x18.25mm Calculation factor (e) 0.38 Tapered roller bearings

|                               |               |
|-------------------------------|---------------|
| Bearing number                | X30207/Y30207 |
| Size (mm)                     | 35x72x18.25   |
| Brand                         | Timken        |
| Bore Diameter (mm)            | 35            |
| Outer Diameter (mm)           | 72            |
| Width (mm)                    | 18.25         |
| d                             | 35 mm         |
| D                             | 72 mm         |
| T                             | 18.25 mm      |
| B                             | 17 mm         |
| C                             | 15 mm         |
| R                             | 1.5 mm        |
| r                             | 1.5 mm        |
| a –                           | 2.8 mm        |
| Da                            | 67 mm         |
| db                            | 42.5 mm       |
| da                            | 40 mm         |
| Db                            | 64 mm         |
| Aa                            | 0.4 mm        |
| Ab                            | 2.4 mm        |
| Weight                        | 0.33 Kg       |
| Basic static load rating (C0) | 59.1 kN       |

|                                  |         |
|----------------------------------|---------|
| Factor (G1)                      | 17.2    |
| Factor (G2)                      | 11.2    |
| Factor (Cg)                      | 0.0154  |
| Factor (K)                       | 1.56    |
| Basic dynamic load rating (C90)  | 13.8    |
| Basic dynamic load rating (Ca90) | 8.87    |
| Basic dynamic load rating (C1)   | 53.3 kN |
| Calculation factor (e)           | 0.38    |