

# SKF W 637/8 X deep groove ball bearings

We 67800 Series work closely with our SKF W 637/8 X deep groove ball bearings Imperial Design Units manufacturing partners to bring the best value to customers.

|   |               |
|---|---------------|
| Series  | 67800         |
| Cone Part Number  | 67883         |
| Design Units  | Imperial      |
| Cage Type   | Stamped Steel |
| C1 – Dynamic Radial Rating (Two-Row, 1 million revolutions) <sup>1</sup>      | 163000 lbf    |
| C90(2) – Dynamic Radial Rating (Two-Row, 90 million revolutions) <sup>2</sup> | 42300 lbf     |
| d   | 7.2500 in     |
| B – Cone Width  | 1.8438 in     |
| R – Cone Backface To Clear Radius <sup>3</sup>                                | 0.14 in       |
| da – Cone Frontface Backing Diameter  | 7.8 in        |
| db – Cone Backface Backing Diameter   | 8.03 in       |
| Ab – Cage-Cone Frontface Clearance  | 0.11 in       |
| Aa – Cage-Cone Backface Clearance   | 0.18 in       |
| a – Effective Center Location <sup>4</sup>                                    | 0.4 in        |
| C90 – Dynamic Radial Rating (90 million revolutions) <sup>5</sup>             | 24300 lbf     |
| C1 – Dynamic Radial Rating (1 million revolutions) <sup>6</sup>               | 93600 lbf     |
| C0 – Static Radial Rating   | 188000 lbf    |
| Ca90 – Dynamic Thrust Rating (90 million revolutions) <sup>7</sup>            | 19800 lbf     |

|  |       |
|--|-------|
| K – Factor8                                  | 1.22  |
| G1 – Heat Generation Factor (Roller-Raceway) | 727.9 |
| G2 – Heat Generation Factor (Rib-Roller End) | 146.6 |
| Cg – Geometry Factor                         | 0.131 |