



FAG

## ★ 3307-BD-XL-TVH

Angular contact ball bearing

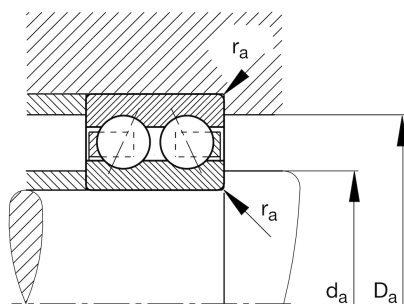
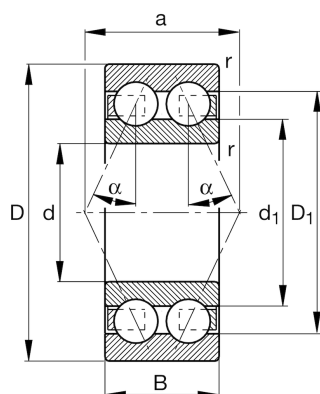
Schaeffler ID:  
0637396150000

Angular contact ball bearing 33..-BD-XL-TVH, double row, X-life, plastic cage

★ Preferred product

X-life

## Technical information



## Temperature range

|            |        |                            |
|------------|--------|----------------------------|
| $T_{\min}$ | -30 °C | Operating temperature min. |
| $T_{\max}$ | 120 °C | Operating temperature max. |
|            | 0,7 kg | Weight                     |

## Main Dimensions &amp; Performance Data

|          |             |                                   |
|----------|-------------|-----------------------------------|
| d        | 35 mm       | Bore diameter                     |
| D        | 80 mm       | Outside diameter                  |
| B        | 34,9 mm     | Width                             |
| $C_r$    | 55.000 N    | Basic dynamic load rating, radial |
| $C_{0r}$ | 36.500 N    | Basic static load rating, radial  |
| $C_{ur}$ | 2.550 N     | Fatigue load limit, radial        |
| $n_G$    | 9.000 1/min | Limiting speed                    |
| $n_{gr}$ | 8.100 1/min | Reference speed                   |

## Dimensions

|            |         |                                                   |
|------------|---------|---------------------------------------------------|
| $r_{\min}$ | 1,5 mm  | Minimum chamfer dimension                         |
| $D_1$      | 68,9 mm | Shoulder diameter outer ring                      |
| $d_1$      | 51,8 mm | Shoulder diameter inner ring                      |
| a          | 48 mm   | Distance between the apexes of the pressure cones |
| $\alpha$   | 30 °    | Contact angle                                     |

## Mounting dimensions

|              |        |                                      |
|--------------|--------|--------------------------------------|
| $d_{a \min}$ | 44 mm  | Minimum diameter shaft shoulder      |
| $D_{a \max}$ | 71 mm  | Maximum diameter of housing shoulder |
| $r_{a \max}$ | 1,5 mm | Maximum fillet radius                |