



W 6007-2Z

Deep groove ball bearings

Bearing data

[Tolerances](#),

Normal (metric), P6, P5, Normal (inch),

[Radial internal clearance](#),

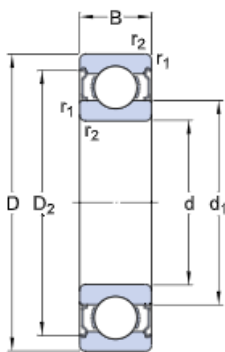
Matched bearing pairs, Stainless steel
 $d < 10$ mm, Other bearings

Bearing interfaces

[Seat tolerances for standard conditions](#),

[Tolerances and resultant fits](#)

Technical specification

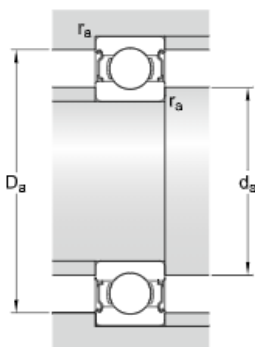


DIMENSIONS

| | |
|------------------|------------|
| d | 35 mm |
| D | 62 mm |
| B | 14 mm |
| d ₁ | ≈ 44 mm |
| d ₂ | ≈ 44 mm |
| D ₂ | ≈ 57.05 mm |
| h | 10.1 mm |
| b | 8.5 mm |
| r ₀ | 2 mm |
| r _{1,2} | min. 1 mm |

ABUTMENT DIMENSIONS

| | |
|----------------|--------------|
| d _a | min. 40 mm |
| d _a | max. 43.5 mm |
| D _a | max. 57.5 mm |
| r _a | max. 1 mm |



CALCULATION DATA

| | | |
|---------------------------|-------|--------------|
| Basic dynamic load rating | C | 13.8 kN |
| Basic static load rating | C_0 | 10.2 kN |
| Fatigue load limit | P_u | 0.44 kN |
| Reference speed | | 24 000 r/min |
| Limiting speed | | 12 000 r/min |
| Calculation factor | k_r | 0.03 |
| Calculation factor | f_0 | 14.9 |

MASS

| | | |
|--------------|--|---------|
| Mass bearing | | 0.15 kg |
|--------------|--|---------|

More information

| Product details | Engineering information | Tools |
|---|---|--|
| Single row deep groove ball bearings | Principles of rolling bearing selection | Bearing Select |
| Stainless steel deep groove ball bearings | General bearing knowledge | SimPro Quick |
| Single row deep groove ball bearings with filling slots | Bearing selection process | Engineering Calculator |
| Double row deep groove ball bearings | Bearing interfaces | LubeSelect for SKF greases |
| Bearing data | Seat tolerances for standard conditions | Heater selection tool |
| Loads | Selecting internal clearance | Rolling bearings mounting and dismounting instructions |
| Temperature limits | Lubrication | |
| Permissible speed | Sealing, mounting and dismounting | |
| Designation system | Bearing failure and how to prevent it | |

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