

YAR 204-2LPW/ZM

Insert bearings

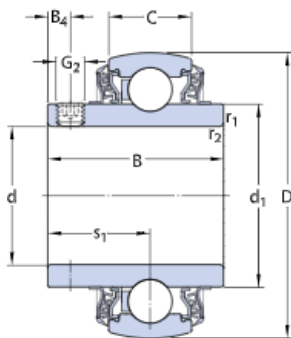
Bearing data

Tolerances,
table 1, table 2,
Radial internal clearance,
Standard inner ring, Other bearings

Design considerations

Shaft tolerances

Technical specification



DIMENSIONS

| | |
|------------------|-------------|
| d | 20 mm |
| D | 47 mm |
| B | 31 mm |
| C | 14 mm |
| d ₁ | ≈ 28.2 mm |
| B ₄ | 4.5 mm |
| r _{1,2} | min. 0.6 mm |
| s ₁ | 18.3 mm |

CALCULATION DATA

| | | |
|---------------------------|----------------|-------------|
| Basic dynamic load rating | C | 12.7 kN |
| Basic static load rating | C ₀ | 6.55 kN |
| Fatigue load limit | P _u | 0.28 kN |
| Limiting speed1) | | 5 000 r/min |
| Calculation factor | f ₀ | 13 |

MASS

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

MOUNTING INFORMATION

| | | |
|---------------------------------------------|----------------|---------|
| Set screw | G ₂ | M6x0.75 |
| Hexagonal key size for set screw | N | 3 mm |
| Recommended tightening torque for set screw | | 4 N·m |

ASSOCIATED PRODUCTS

| | |
|---------------------|---------|
| Rubber seating ring | RIS 204 |
|---------------------|---------|

More information

| Product details | Engineering information | Tools |
|------------------------------------------|---------------------------------------------------------|----------------------------------------|
| Designs and variants | Principles of rolling bearing selection | Bearing Select |
| Lubrication | General bearing knowledge | Engineering Calculator |
| Bearing data | Bearing selection process | SimPro Quick |
| Loads | Bearing failure and how to prevent it | Heater selection tool |
| Temperature limits | | |
| Permissible speed | | |
| Design considerations | | |
| Mounting and dismounting | | |
| Designation system | | |

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