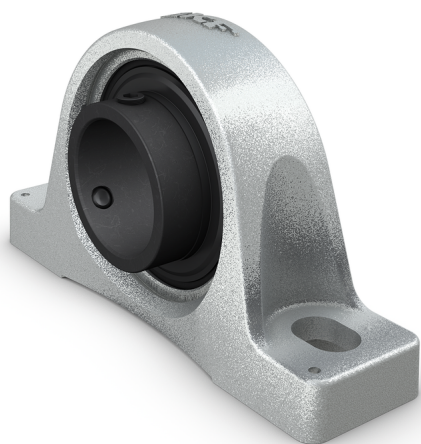




## SY 1.3/4 TF/VA201

Plummer block ball bearing units, for high temperature applications

Bearing data

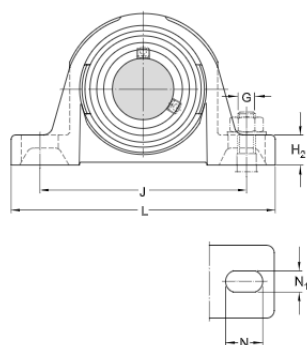
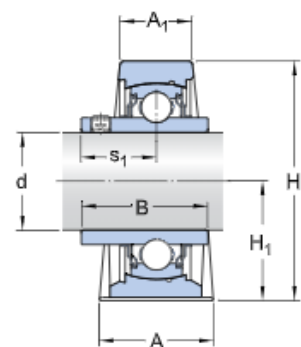
[Radial internal clearance,](#)  
table

### Technical specification

Running in required

Yes

### DIMENSIONS



|                |          |
|----------------|----------|
| d              | 44.45 mm |
| A              | 48 mm    |
| A <sub>1</sub> | 32 mm    |
| B              | 49.2 mm  |
| H              | 107 mm   |
| H <sub>1</sub> | 54 mm    |
| H <sub>2</sub> | 21 mm    |
| L              | 187 mm   |
| J              | 143.5 mm |
| N              | 22.5 mm  |
| N <sub>1</sub> | 14 mm    |
| s <sub>1</sub> | 30.2 mm  |

## CALCULATION DATA

|                           |                |             |
|---------------------------|----------------|-------------|
| Basic dynamic load rating | C              | 33.2 kN     |
| Basic static load rating  | C <sub>0</sub> | 21.6 kN     |
| Limiting speed            |                | 60 r/min    |
| Limiting temperature      | T              | max. 250 °C |

## MASS

|                   |        |
|-------------------|--------|
| Mass bearing unit | 2.2 kg |
|-------------------|--------|

## MOUNTING INFORMATION

|                                              |                |             |
|----------------------------------------------|----------------|-------------|
| Grub (set) screw                             | G <sub>2</sub> | 5/16-24 UNF |
| Hexagonal key size for grub screw            | N              | 3.969 mm    |
| Recommended tightening torque for grub screw |                | 6.5 N·m     |
| Attachment bolts, recommended metric size    | G              | 12 mm       |
| Attachment bolts, recommended inch size      | G              | 0.5 in      |

## INCLUDED PRODUCTS

|         |                      |
|---------|----------------------|
| Bearing | YAR 209-112-2F/VA201 |
|---------|----------------------|

## Product details

[Deep groove ball bearings for high temperature applications](#)

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[Insert bearings and ball bearing units for high temperature applications](#)

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[Bearing data](#)

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[Loads and selecting bearing size](#)

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[Design considerations](#)

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[Relubrication and running in](#)

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[Mounting](#)

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[Designation system](#)

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## Engineering information

[Principles of rolling bearing selection](#)

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[General bearing knowledge](#)

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[Bearing selection process](#)

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[Bearing interfaces](#)

---

[Seat tolerances for standard conditions](#)

---

[Sealing, mounting and dismounting](#)

---

[Bearing failure and how to prevent it](#)

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## Tools

[Engineering Calculator](#)

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[SimPro Quick](#)

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[Heater selection tool](#)

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[Rolling bearings mounting and dismounting instructions](#)

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