



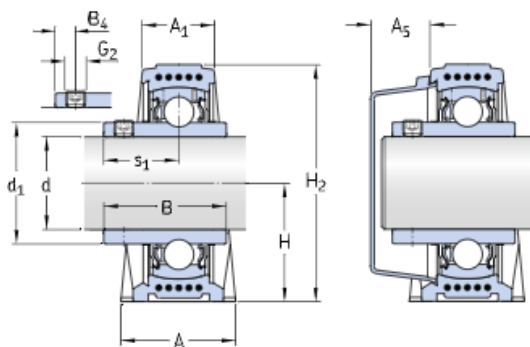
SYK 20 TF

Pillow block ball bearing units

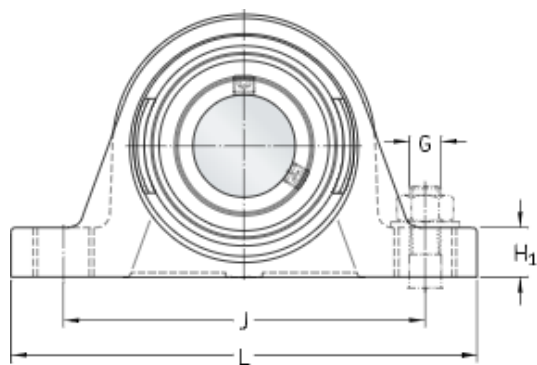
Technical specification

| | |
|--------------------------|---|
| Compliance with standard | ISO |
| Purpose specific | For material handling applications |
| Housing material | Composite |
| Sealing solution | Standard seals with additional flingers |

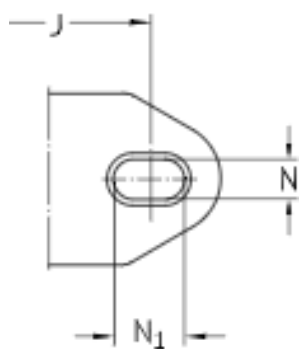
DIMENSIONS



| | |
|----------------|-------------|
| d | 20 mm |
| d ₁ | ≈ 28.2 mm |
| A | 32 mm |
| A ₁ | 21 mm |
| A ₅ | 20 mm |
| B | 31 mm |
| B ₄ | 4.5 mm |
| H | 33.3 mm |
| H ₁ | 16 mm |
| H ₂ | 64.5 mm |
| J | 96.5 mm |
| J | max. 102 mm |
| J | min. 91 mm |



| | |
|----------------|---------|
| L | 126 mm |
| N | 12 mm |
| N ₁ | 17.5 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 speed | | 8 500 r/min |
| with shaft tolerance h6 | | |

MASS

| | |
|-------------------|---------|
| Mass bearing unit | 0.25 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 |
| Recommended diameter for attachment bolts, mm | G | 10 mm |
| Recommended diameter for attachment bolts, inch | G | 0.375 in |

INCLUDED PRODUCTS

| | |
|---------|------------|
| Housing | SYK 504 |
| Bearing | YAR 204-2F |

ASSOCIATED PRODUCTS

| | |
|-----------|---------|
| End cover | ECY 204 |
|-----------|---------|

More information

Product details

[Pillow block units to ISO standards](#)

[Pillow block units to North American standards](#)

[Pillow block units to Japanese Industrial Standards \(JIS\)](#)

[Pillow block units, not standardized \(incl. SKF Food Line\)](#)

[Ball bearing unit data](#)

[Loads](#)

[Temperature limits](#)

[Permissible speed](#)

[Lubrication](#)

[Mounting and dismounting](#)

[Designation system](#)

Engineering information

[Principles of ball bearing units selection and application - Download catalogue \(4.9 MB\)](#)

[Principles of selecting mounted bearing solutions](#)

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

Tools

[Bearing Select](#)

[Engineering Calculator](#)

[Rolling bearings mounting and dismounting instructions](#)

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