



**SKF SY 1. TF bearing units**

Bearing No. SY 1. TF

SY 1. TF Bearing 2D drawings and 3D CAD models

|                               |                       |
|-------------------------------|-----------------------|
| Bore Diameter                 | 25,4 mm               |
| d                             | 25,4 mm               |
| s1                            | 19,8 mm               |
| A                             | 36 mm                 |
| A1                            | 22 mm                 |
| B                             | 34,1 mm               |
| G                             | 10 mm                 |
| H                             | 70,5 mm               |
| H1                            | 36,5 mm               |
| H2                            | 16 mm                 |
| J                             | 102 mm                |
| L                             | 130 mm                |
| N                             | 19,5 mm               |
| N1                            | 11,5 mm               |
| Weight                        | 0,71 Kg               |
| Basic dynamic load rating (C) | 14 kN                 |
| Basic static load rating (C0) | 7,8 kN                |
| Fatigue load limit (Pu)       | 0,335                 |
| Category                      | Pillow Block Bearings |
| Inventory                     | 4.0                   |
| Manufacturer Name             | SKF                   |
| Minimum Buy Quantity          | N/A                   |
| Weight / Kilogram             | 0.77                  |
| EAN                           | 7316577753007         |
| Product Group                 | M06110                |
| Number of Mounting Holes      | 2                     |



# SNR BEARINGS PRODUCTION EXPORT CO., LTD

|                                 |   |
|---------------------------------|---|
| Mounting Method                 | Set Screw   |
| Housing Style                   | 2 Bolt Pillow Block   |
| Rolling Element                 | Ball Bearing  |
| Housing Material                | Cast Iron   |
| Expansion / Non-expansion       | Non-expansion   |
| Mounting Bolts                  | 3/8 Inch  |
| Relubricatable                  | Yes   |
| Insert Part Number              | YAR 205-100-2F  |
| Seals                           | M Seal  |
| Housing Configuration           | 1 Piece Solid   |
| Inch - Metric                   | Inch  |
| Other Features                  | Single Row   Standard Duty<br>  Wide Inner Race   Y<br>Bearing   Has Flinger  |
| Long Description                | 2 Bolt Pillow Block; 1" Bore;<br>1-7/16" Base to Center<br>Height; Set Screw Mount;<br>Ball Bearing; 3-11/16"<br>Minimum Bolt Spacing;<br>4-11/32" Bolt Spacing<br>Maximum; Relubricatable;<br>Cast Iron; |
| Category                        | Pillow Block  |
| UNSPSC                          | 31171511  |
| Harmonized Tariff Code          | 8483.20.40.40   |
| Noun                            | Bearing   |
| Keyword String                  | Pillow Block  |
| Manufacturer URL                | <a href="http://www.skf.com">http://www.skf.com</a>   |
| Manufacturer Item Number        | SY 1. TF  |
| Weight / LBS                    | 1.7   |
| Length Thru Bore                | 1.344 Inch   34.13<br>Millimeter  |
| Actual Bolt Center to<br>Center | 0 Inch   0Millimeter  |
| Bolt Spacing Maximum            | 4.344 Inch  <br>110.338Millimeter   |



# SNR BEARINGS PRODUCTION EXPORT CO., LTD

|   |                                   |
|---|-----------------------------------|
| Base to Center Height                   | 1.438 Inch   36.525<br>Millimeter |
| Nominal Bolt Center to<br>Center        | 4.1 Inch   105 Millimeter         |
| Bolt Spacing Minimum                    | 3.688 Inch  <br>93.675 Millimeter |
| Bore                                    | 1 Inch   25.4 Millimeter          |
| Housing material                        | Cast iron                         |
| A <sub>1</sub>                          | 22 mm                             |
| A <sub>5</sub>                          | 18 mm                             |
| B <sub>4</sub>                          | 5 mm                              |
| H <sub>1</sub>                          | 36.5 mm                           |
| H <sub>2</sub>                          | 16 mm                             |
| J max.                                  | 110 mm                            |
| J min.                                  | 94 mm                             |
| N <sub>1</sub>                          | 11.5 mm                           |
| s <sub>1</sub>                          | 19.8 mm                           |
| R <sub>G</sub>                          | 1/4-28 UNF                        |
| R <sub>1</sub>                          | 2 mm                              |
| R                                       | 45 °                              |
| D <sub>N</sub>                          | 6.5 mm                            |
| SW <sub>N</sub>                         | 7 mm                              |
| G <sub>N</sub>                          | 1/4-28 SAE-LT                     |
| J <sub>6</sub>                          | 120 mm                            |
| J <sub>7</sub>                          | 13 mm                             |
| N <sub>4</sub>                          | 4 mm                              |
| Basic dynamic load rating C             | 14 kN                             |
| Basic static load rating C <sub>0</sub> | 7.8 kN                            |
| Fatigue load limit P <sub>u</sub>       | 0.335 kN                          |
| Limiting speed                          | 7000 r/min                        |
| Mass bearing unit                       | 0.72 kg                           |
| Thread grub screw G <sub>2</sub>        | 1/4-28 UNF                        |
| Hexagonal key size for grub             | 3.175 mm                          |



## SNR BEARINGS PRODUCTION EXPORT CO., LTD

|   |                |
|---|----------------|
| screw N   |                |
| Recommended tightening torque for grub screw      | 4 N · m        |
| Recommended diameter for attachment bolts, mm G   | 10 mm          |
| Recommended diameter for attachment bolts, inch G | 0.375 in       |
| Housing   | SY 505 M       |
| Bearing   | YAR 205-100-2F |
| End cover   | ECY 205        |