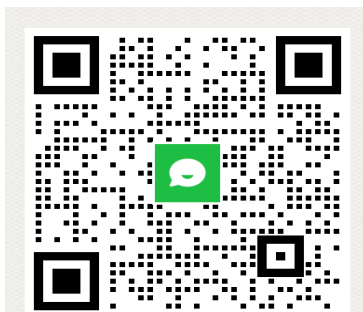




微信扫码联系客服人员

# Stainless Steel Deep Groove Ball Bearings



Version: 6/2021

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## GSWC Stainless Steel Deep Groove Ball Bearings

The latest products in the portfolio of GSWC are Deep Groove Ball Bearings made of stainless steel. The basic material is a high-quality steel, which due to its chemical composition offers an ideal combination of corrosion protection, hardness, temperature stability and wear resistance for Deep Groove Ball Bearings.

Stainless Steel Deep Groove Ball Bearings are available in three versions:

- T250 with Viton-Seals (2VSR)
- T280 with steel shields (2ZR)
- T320 with steel shields (2ZR)

Regardless of the temperature range, all Stainless Steel Deep Groove Ball Bearings are lubricated with a high-quality grease, which is suitable for food and beverage industries (food grade H1).

Tolerances:  
According to DIN 620 and DIN ISO 1132.



### **T250 / T280**

T250 and T280 stainless steel bearings differentiate only by the type of sealing. They comprise the following properties:

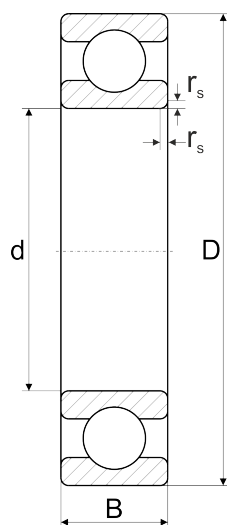
- General heat treatment of the stainless steel bearing
  - Radial clearance C3
  - Riveted sheet steel cage
  - High-quality food-grade lubricant (suitable up to 280°C)
- T250: Viton seals (2VSR)  
➤ T280: Steel shields (2ZR)

### **T320**

Every T320 stainless steel bearing is filled with suitable lubricant or available as sealed bearing and comprises the following properties:

- General heat treatment of the stainless steel bearing
- Radial clearance C3
- Riveted sheet steel cage
- High-quality food-grade lubricant (suitable up to 320°C)
- Steel shields (2ZR)

## S60xx

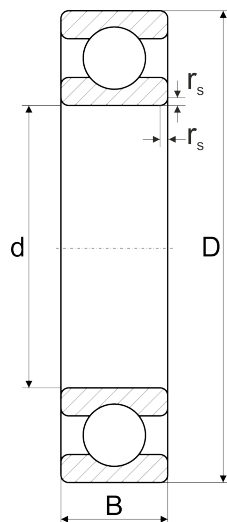


| Code         | Dimensions |      |      |                       | Load Ratings   |                  | Max. Speed           |                      |                      |                      | Weight |
|--------------|------------|------|------|-----------------------|----------------|------------------|----------------------|----------------------|----------------------|----------------------|--------|
|              | d          | D    | B    | r <sub>s</sub><br>min | C <sub>0</sub> | C <sub>dyn</sub> |                      | T250<br>2VSR         | T280                 | T320                 |        |
| GSWC         | [mm]       | [mm] | [mm] | [mm]                  | [kN]           | [kN]             | [min <sup>-1</sup> ] | [min <sup>-1</sup> ] | [min <sup>-1</sup> ] | [min <sup>-1</sup> ] | ≈ [kg] |
| <b>S6000</b> | 10         | 26   | 8    | 0,3                   | 1,78           | 4,16             | 28 000               | 16 667               | 16 667               | 16 667               | 0,019  |
| S6001        | 12         | 28   | 8    | 0,3                   | 2,38           | 5,11             | 24 000               | 15 000               | 15 000               | 15 000               | 0,021  |
| S6002        | 15         | 32   | 9    | 0,3                   | 2,84           | 5,59             | 22 000               | 12 766               | 12 766               | 12 766               | 0,030  |
| S6003        | 17         | 35   | 10   | 0,3                   | 3,25           | 6,00             | 20 000               | 11 538               | 11 538               | 11 538               | 0,039  |
| S6004        | 20         | 42   | 12   | 0,6                   | 5,02           | 9,39             | 17 000               | 9 677                | 9 677                | 9 677                | 0,069  |
| S6005        | 25         | 47   | 12   | 0,6                   | 5,86           | 10,6             | 14 000               | 8 333                | 8 333                | 8 333                | 0,080  |
| S6006        | 30         | 55   | 13   | 1,0                   | 7,46           | 11,9             | 12 000               | 7 059                | 7 059                | 7 059                | 0,116  |
| S6007        | 35         | 62   | 14   | 1,0                   | 8,60           | 12,5             | 11 000               | 6 186                | 6 186                | 6 186                | 0,155  |
| S6008        | 40         | 68   | 15   | 1,0                   | 9,40           | 13,2             | 9 000                | 5 556                | 5 556                | 5 556                | 0,185  |
| S6009        | 45         | 75   | 16   | 1,0                   | 11,8           | 16,2             | 7 800                | 5 000                | 5 000                | 5 000                | 0,231  |
| S6010        | 50         | 80   | 16   | 1,0                   | 12,8           | 16,8             | 7 000                | 4 615                | 4 615                | 4 615                | 0,250  |
| S6011        | 55         | 90   | 18   | 1,1                   | 21,8           | 30,2             | 6 300                | 4 138                | 4 138                | 4 138                | 0,362  |
| S6012        | 60         | 95   | 18   | 1,1                   | 24,2           | 31,5             | 5 800                | 3 871                | 3 871                | 3 871                | 0,385  |

Remark:

The weight applies for the bearing only without lubricant and shields.

## S62xx

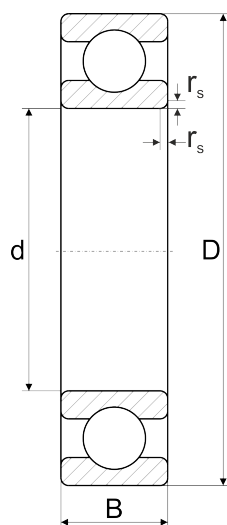


| Code         | Dimensions |      |      |                       | Load Ratings   |                  | Max. Speed           |                      |                      |                      | Weight |
|--------------|------------|------|------|-----------------------|----------------|------------------|----------------------|----------------------|----------------------|----------------------|--------|
|              | d          | D    | B    | r <sub>s</sub><br>min | C <sub>0</sub> | C <sub>dyn</sub> |                      | T250<br>2VSR         | T280                 | T320                 |        |
| GSWC         | [mm]       | [mm] | [mm] | [mm]                  | [kN]           | [kN]             | [min <sup>-1</sup> ] | [min <sup>-1</sup> ] | [min <sup>-1</sup> ] | [min <sup>-1</sup> ] | ≈ [kg] |
| <b>S6200</b> | 10         | 30   | 9    | 0,6                   | 2,38           | 5,11             | 24 000               | 15 000               | 15 000               | 15 000               | 0,032  |
| S6201        | 12         | 32   | 10   | 0,6                   | 3,05           | 6,82             | 22 000               | 13 636               | 13 636               | 13 636               | 0,037  |
| S6202        | 15         | 35   | 11   | 0,6                   | 3,72           | 7,65             | 20 000               | 12 000               | 12 000               | 12 000               | 0,045  |
| S6203        | 17         | 40   | 12   | 0,6                   | 4,78           | 9,58             | 18 000               | 10 526               | 10 526               | 10 526               | 0,065  |
| S6204        | 20         | 47   | 14   | 1,0                   | 6,65           | 12,8             | 15 000               | 8 955                | 8 955                | 8 955                | 0,106  |
| S6205        | 25         | 52   | 15   | 1,0                   | 7,85           | 14,0             | 13 000               | 7 792                | 7 792                | 7 792                | 0,128  |
| S6206        | 30         | 62   | 16   | 1,0                   | 11,3           | 19,5             | 10 000               | 6 522                | 6 522                | 6 522                | 0,199  |
| S6207        | 35         | 72   | 17   | 1,1                   | 15,4           | 25,7             | 10 000               | 5 607                | 5 607                | 5 607                | 0,288  |
| S6208        | 40         | 80   | 18   | 1,1                   | 18,0           | 29,5             | 9 000                | 5 000                | 5 000                | 5 000                | 0,368  |
| S6209        | 45         | 85   | 19   | 1,1                   | 20,5           | 31,5             | 8 500                | 4 615                | 4 615                | 4 615                | 0,416  |
| S6210        | 50         | 90   | 20   | 1,1                   | 23,2           | 35,0             | 7 500                | 4 286                | 4 286                | 4 286                | 0,463  |
| S6211        | 55         | 100  | 21   | 1,5                   | 29,2           | 43,2             | 7 000                | 3 871                | 3 871                | 3 871                | 0,603  |
| S6212        | 60         | 110  | 22   | 1,5                   | 32,8           | 47,8             | 6 300                | 3 529                | 3 529                | 3 529                | 0,789  |

Remark:

The weight applies for the bearing only without lubricant and shields.

## S63xx



| Code         | Dimensions |      |      |                       | Load Ratings   |                  | Max. Speed           |                      |                      |                      | Weight |
|--------------|------------|------|------|-----------------------|----------------|------------------|----------------------|----------------------|----------------------|----------------------|--------|
|              | d          | D    | B    | r <sub>s</sub><br>min | C <sub>0</sub> | C <sub>dyn</sub> |                      | T250<br>2VSR         | T280                 | T320                 |        |
| GSWC         | [mm]       | [mm] | [mm] | [mm]                  | [kN]           | [kN]             | [min <sup>-1</sup> ] | [min <sup>-1</sup> ] | [min <sup>-1</sup> ] | [min <sup>-1</sup> ] | ≈ [kg] |
| <b>S6300</b> | 10         | 35   | 11   | 0,6                   | 3,48           | 7,65             | 22 000               | 13 333               | 13 333               | 13 333               | 0,053  |
| S6301        | 12         | 37   | 12   | 1,0                   | 5,08           | 9,72             | 20 000               | 12 245               | 12 245               | 12 245               | 0,060  |
| S6302        | 15         | 42   | 13   | 1,0                   | 5,42           | 11,5             | 18 000               | 10 526               | 10 526               | 10 526               | 0,082  |
| S6303        | 17         | 47   | 14   | 1,0                   | 6,58           | 13,5             | 16 000               | 9 375                | 9 375                | 9 375                | 0,115  |
| S6304        | 20         | 52   | 15   | 1,1                   | 7,88           | 15,8             | 13 000               | 8 333                | 8 333                | 8 333                | 0,142  |
| S6305        | 25         | 62   | 17   | 1,1                   | 11,3           | 20,6             | 12 000               | 6 897                | 6 897                | 6 897                | 0,232  |
| S6306        | 30         | 72   | 19   | 1,1                   | 15,0           | 26,7             | 10 000               | 5 882                | 5 882                | 5 882                | 0,346  |
| S6307        | 35         | 80   | 21   | 1,5                   | 19,3           | 33,4             | 8 500                | 5 217                | 5 217                | 5 217                | 0,457  |
| S6308        | 40         | 90   | 23   | 1,5                   | 24,0           | 40,8             | 7 500                | 4 615                | 4 615                | 4 615                | 0,639  |
| S6309        | 45         | 100  | 25   | 1,5                   | 31,8           | 52,8             | 7 000                | 4 138                | 4 138                | 4 138                | 0,837  |
| S6310        | 50         | 110  | 27   | 2,0                   | 38,0           | 61,8             | 6 700                | 3 750                | 3 750                | 3 750                | 1,082  |
| S6311        | 55         | 120  | 29   | 2,0                   | 44,8           | 71,5             | 6 000                | 3 429                | 3 429                | 3 429                | 1,367  |
| S6312        | 60         | 130  | 31   | 2,1                   | 51,8           | 81,8             | 5 300                | 3 158                | 3 158                | 3 158                | 1,710  |

Remark:

The weight applies for the bearing only without lubricant and shields.