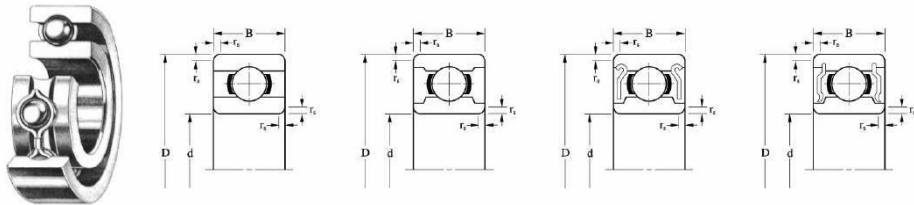


# Large sized stainless series: 6000H, 6200H, 6300H



Technical

Dimension

| Bore Diameter: |        | Outer Diameter: |        | Width: B |        | Chamfer |        | Bearing Reference       |           |         |     |     |
|----------------|--------|-----------------|--------|----------|--------|---------|--------|-------------------------|-----------|---------|-----|-----|
| d              |        | D               |        |          |        | rs(min) |        | Open                    | 2 Shields | 2 Seals |     |     |
| mm             | inch   | mm              | inch   | mm       | inch   | mm      | inch   |                         | ZZ        | 2RS     | 2RU | TTS |
| 10             | 0.3937 | 26              | 1.0236 | 8        | 0.3150 | 0.3     | 0.0118 | 6000H <sup>(1)(2)</sup> | ZZ        | 2RS     | 2RU | -   |
|                |        | 30              | 1.1811 | 9        | 0.3543 | 0.6     | 0.0236 | 6200H <sup>(1)(2)</sup> | ZZ        | 2RS     | 2RU | -   |
|                |        | 35              | 1.3780 | 11       | 0.4331 | 0.6     | 0.0236 | 6300H <sup>(1)</sup>    | ZZ        | 2RS     | 2RU | -   |
| 12             | 0.4724 | 28              | 1.1024 | 8        | 0.3150 | 0.3     | 0.0118 | 6001H <sup>(1)(2)</sup> | ZZ        | 2RS     | 2RU | TTS |
|                |        | 32              | 1.2598 | 10       | 0.3937 | 0.6     | 0.0236 | 6201H <sup>(1)</sup>    | ZZ        | 2RS     | 2RU | -   |
|                |        | 37              | 1.4567 | 12       | 0.4724 | 1.0     | 0.0394 | 6301H <sup>(1)</sup>    | ZZ        | 2RS     | 2RU | -   |
| 15             | 0.5906 | 32              | 1.2598 | 9        | 0.3543 | 0.3     | 0.0118 | 6002H <sup>(1)(2)</sup> | ZZ        | 2RS     | 2RU | -   |
|                |        | 35              | 1.3780 | 11       | 0.4331 | 0.6     | 0.0236 | 6202H <sup>(1)</sup>    | ZZ        | 2RS     | 2RU | -   |
|                |        | 42              | 1.6535 | 13       | 0.5118 | 1.0     | 0.0394 | 6302H <sup>(1)</sup>    | ZZ        | 2RS     | 2RU | -   |
| 17             | 0.6693 | 35              | 1.3780 | 10       | 0.3937 | 0.3     | 0.0118 | 6003H <sup>(1)(2)</sup> | ZZ        | 2RS     | 2RU | -   |
|                |        | 40              | 1.5748 | 12       | 0.4724 | 0.6     | 0.0236 | 6203H <sup>(1)</sup>    | ZZ        | 2RS     | 2RU | -   |
|                |        | 47              | 1.8504 | 14       | 0.5512 | 1.0     | 0.0394 | 6303H <sup>(1)</sup>    | ZZ        | 2RS     | 2RU | -   |
| 20             | 0.7874 | 42              | 1.6535 | 12       | 0.4724 | 0.6     | 0.0236 | 6004H <sup>(1)</sup>    | ZZ        | 2RS     | 2RU | -   |
|                |        | 47              | 1.8504 | 14       | 0.5512 | 1.0     | 0.0394 | 6204H <sup>(1)</sup>    | ZZ        | 2RS     | 2RU | -   |
|                |        | 52              | 2.0472 | 15       | 0.5906 | 1.1     | 0.0433 | 6304H <sup>(1)</sup>    | ZZ        | 2RS     | 2RU | -   |
| 25             | 0.9843 | 47              | 1.8504 | 12       | 0.4724 | 0.6     | 0.0236 | 6005H <sup>(1)</sup>    | ZZ        | 2RS     | 2RU | -   |
|                |        | 52              | 2.0472 | 15       | 0.5906 | 1.0     | 0.0394 | 6205H <sup>(1)</sup>    | ZZ        | 2RS     | 2RU | -   |
|                |        | 62              | 2.4409 | 17       | 0.6693 | 1.1     | 0.0433 | 6305H <sup>(1)</sup>    | ZZ        | 2RS     | 2RU | -   |
| 30             | 1.1811 | 55              | 2.1654 | 13       | 0.5118 | 1.0     | 0.0394 | 6006H <sup>(1)</sup>    | ZZ        | 2RS     | 2RU | -   |
|                |        | 62              | 2.4409 | 16       | 0.6299 | 1.0     | 0.0394 | 6206H <sup>(1)</sup>    | ZZ        | 2RS     | 2RU | -   |
|                |        | 72              | 2.8346 | 19       | 0.7480 | 1.1     | 0.0433 | 6306H <sup>(1)</sup>    | ZZ        | 2RS     | 2RU | -   |
| 35             | 1.3780 | 62              | 2.4409 | 14       | 0.5512 | 1.0     | 0.0394 | 6007H <sup>(1)</sup>    | ZZ        | 2RS     | 2RU | -   |
|                |        | 72              | 2.8346 | 17       | 0.6693 | 1.1     | 0.0433 | 6207H <sup>(1)</sup>    | ZZ        | 2RS     | 2RU | -   |
|                |        | 80              | 3.1496 | 21       | 0.8266 | 1.5     | 0.0591 | 6307H <sup>(1)</sup>    | ZZ        | 2RS     | 2RU | -   |
| 40             | 1.5748 | 68              | 2.6772 | 15       | 0.5906 | 1.0     | 0.0394 | 6008H <sup>(1)</sup>    | ZZ        | 2RS     | 2RU | -   |
|                |        | 80              | 3.1496 | 18       | 0.7087 | 1.1     | 0.0433 | 6208H <sup>(1)</sup>    | ZZ        | 2RS     | 2RU | -   |
| 45             | 1.7717 | 75              | 2.9528 | 16       | 0.6299 | 1.0     | 0.0394 | 6009H <sup>(1)</sup>    | ZZ        | 2RS     | 2RU | -   |
|                |        | 85              | 3.3465 | 19       | 0.7480 | 1.1     | 0.0433 | 6209H <sup>(1)</sup>    | ZZ        | 2RS     | 2RU | -   |
| 50             | 1.9685 | 80              | 3.1496 | 16       | 0.6299 | 1.0     | 0.0394 | 6010H <sup>(1)</sup>    | ZZ        | 2RS     | 2RU | -   |
|                |        | 90              | 3.5433 | 20       | 0.7874 | 1.1     | 0.0433 | 6210H <sup>(1)</sup>    | ZZ        | 2RS     | 2RU | -   |
| 55             | 2.1654 | 90              | 3.5433 | 18       | 0.7087 | 1.1     | 0.0433 | 6011H <sup>(1)</sup>    | ZZ        | 2RS     | 2RU | -   |
|                |        | 100             | 3.9370 | 21       | 0.8266 | 1.5     | 0.0591 | 6211H <sup>(1)</sup>    | ZZ        | 2RS     | 2RU | -   |
| 60             | 2.3622 | 95              | 3.7402 | 18       | 0.7087 | 1.1     | 0.0433 | 6012H <sup>(1)</sup>    | ZZ        | 2RS     | 2RU | -   |
|                |        | 110             | 4.3307 | 22       | 0.8661 | 1.5     | 0.0591 | 6212H <sup>(1)</sup>    | ZZ        | 2RS     | 2RU | -   |

(1) Open type bearings have shield/seal grooves. (2) SUJ2 material type (without suffix H) is also available. Load ratings of SUJ2 material types are calculated by Cr0.85 and Cor0.80 of stainless material types.  
 (3) Single shield or single seal types are also available; suffix Z, RS, RU or TS.  
 (4) Applicable only for open, single Z, ZZ, single RU and 2RU types in inner ring rotating conditions. Max. speeds for the contact rubber seal(s) types will be around 50-60% of above values.

| Load Rating |        | Max. Speed             |     | Cage Type | Ball Complement |          |        | Weight (Ref.) |
|-------------|--------|------------------------|-----|-----------|-----------------|----------|--------|---------------|
| Cr(N)       | Cor(N) | Grease                 | Oil |           | Qty. :Z         | Size: Dw |        | 2 Shields     |
| (N)         |        | x1000min <sup>-1</sup> |     |           | pcs.            | mm       | inch   | g             |
| 3 890       | 1 570  | 28                     | 33  | J         | 7               | 4.762    | 0.1875 | 18            |
| 4 350       | 1 910  | 25                     | 30  | RJ, TW    | 8               | 4.762    | 0.1875 | 30            |
| 6 880       | 2 750  | 23                     | 27  | RJ        | 6               | 7.144    | 0.2813 | 52            |
| 4 350       | 1 910  | 25                     | 30  | J, TW     | 8               | 4.762    | 0.1875 | 20            |
| 5 780       | 2 440  | 24                     | 28  | RJ, TW    | 7               | 5.953    | 0.2344 | 35            |
| 8 250       | 3 350  | 22                     | 25  | RJ        | 6               | 7.938    | 0.3125 | 58            |
| 4 750       | 2 270  | 22                     | 26  | RJ, TW    | 9               | 4.762    | 0.1875 | 28            |
| 6 490       | 2 980  | 21                     | 25  | RJ, TW    | 8               | 5.953    | 0.2344 | 44            |
| 9 720       | 4 350  | 18                     | 21  | RJ        | 7               | 7.938    | 0.3125 | 81            |
| 5 100       | 2 610  | 20                     | 24  | RJ, TW    | 10              | 4.762    | 0.1875 | 38            |
| 8 130       | 3 830  | 18                     | 22  | RJ, TW    | 8               | 6.747    | 0.2656 | 65            |
| 11 600      | 5 290  | 16                     | 19  | RJ        | 7               | 8.731    | 0.3437 | 111           |
| 7 980       | 4 050  | 17                     | 20  | RJ, TW    | 9               | 6.350    | 0.2500 | 64            |
| 10 900      | 5 320  | 16                     | 19  | RJ, TW    | 8               | 7.938    | 0.3125 | 104           |
| 13 500      | 6 270  | 15                     | 18  | RJ        | 7               | 9.525    | 0.3750 | 141           |
| 8 550       | 4 680  | 15                     | 18  | RJ, TW    | 10              | 6.350    | 0.2500 | 77            |
| 11 900      | 6 300  | 14                     | 16  | RJ, TW    | 9               | 7.938    | 0.3125 | 128           |
| 17 500      | 9 000  | 12                     | 14  | RJ        | 8               | 10.319   | 0.4063 | 232           |
| 11 200      | 6 620  | 13                     | 15  | RJ, TW    | 11              | 7.144    | 0.2813 | 111           |
| 16 500      | 9 070  | 12                     | 14  | RJ, TW    | 9               | 9.525    | 0.3750 | 193           |
| 22 700      | 12 000 | 11                     | 12  | RJ        | 8               | 11.906   | 0.4687 | 340           |
| 13 600      | 8 240  | 11                     | 13  | RJ        | 11              | 7.938    | 0.3125 | 146           |
| 21 800      | 12 300 | 10                     | 12  | RJ        | 9               | 11.112   | 0.4375 | 273           |
| 28 300      | 15 400 | 9.4                    | 11  | RJ        | 8               | 13.494   | 0.5313 | 432           |
| 14 300      | 9 240  | 10                     | 12  | RJ        | 12              | 7.938    | 0.3125 | 180           |
| 24 700      | 14 300 | 9.1                    | 11  | RJ        | 9               | 11.906   | 0.4687 | 354           |
| 17 900      | 12 100 | 9.1                    | 11  | RJ        | 13              | 8.731    | 0.3437 | 233           |
| 27 800      | 16 400 | 8.4                    | 10  | RJ        | 9               | 12.700   | 0.5000 | 386           |
| 18 500      | 13 300 | 8.4                    | 9.9 | RJ        | 14              | 8.731    | 0.3437 | 252           |
| 29 800      | 18 600 | 7.8                    | 9.2 | RJ        | 10              | 12.700   | 0.5000 | 446           |
| 24 000      | 17 000 | 7.5                    | 8.9 | RJ        | 13              | 10.319   | 0.4063 | 357           |
| 36 900      | 23 500 | 6.9                    | 8.2 | RJ        | 10              | 14.288   | 0.5625 | 571           |
| 25 000      | 18 500 | 7.0                    | 8.3 | RJ        | 14              | 10.319   | 0.4063 | 381           |
| 44 600      | 29 000 | 6.3                    | 7.4 | RJ        | 10              | 15.875   | 0.6250 | 745           |