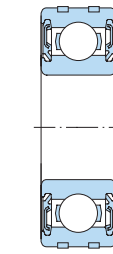
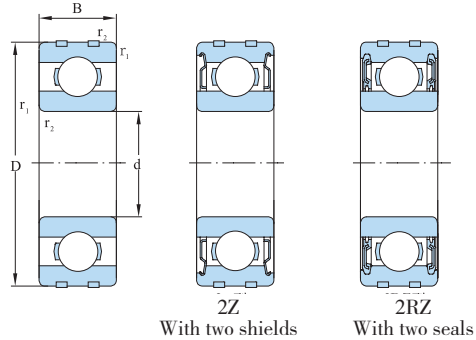
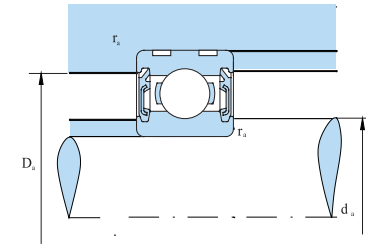


## Deep groove ball bearing

With expansion  
compensation



2RS1  
With two seals



| Designations |     |      |       | Boundary dimensions |     |    |              | Basic load ratings |      |
|--------------|-----|------|-------|---------------------|-----|----|--------------|--------------------|------|
|              |     |      |       | d                   | D   | B  | $r_{1,2min}$ | Cr                 | Cor  |
|              | -2Z | -2RZ | -2RS1 | mm                  |     |    |              | kN                 |      |
| EC-6000      | -2Z | -2RZ | -2RS1 | 10                  | 26  | 8  | 0.3          | 4.59               | 1.97 |
| EC-6200      | -2Z | -2RZ | -2RS1 |                     | 30  | 9  | 0.6          | 5.1                | 2.39 |
| EC-6300      | -2Z | -2RZ | -2RS1 |                     | 35  | 11 | 0.6          | 7.66               | 3.47 |
| EC-6001      | -2Z | -2RZ | -2RS1 | 12                  | 28  | 8  | 0.3          | 5.1                | 2.39 |
| EC-6201      | -2Z | -2RZ | -2RS1 |                     | 32  | 10 | 0.6          | 6.76               | 3.05 |
| EC-6301      | -2Z | -2RZ | -2RS1 |                     | 37  | 12 | 1            | 8.58               | 3.92 |
| EC-6002      | -2Z | -2RZ | -2RS1 | 15                  | 32  | 9  | 0.3          | 5.62               | 2.84 |
| EC-6202      | -2Z | -2RZ | -2RS1 |                     | 35  | 11 | 0.6          | 7.66               | 3.72 |
| EC-6302      | -2Z | -2RZ | -2RS1 |                     | 42  | 13 | 1            | 11.4               | 5.4  |
| EC-6003      | -2Z | -2RZ | -2RS1 | 17                  | 35  | 10 | 0.3          | 6.5                | 3.36 |
| EC-6203      | -2Z | -2RZ | -2RS1 |                     | 40  | 12 | 0.6          | 10.3               | 4.79 |
| EC-6303      | -2Z | -2RZ | -2RS1 |                     | 47  | 14 | 1            | 13.5               | 6.55 |
| EC-6004      | -2Z | -2RZ | -2RS1 | 20                  | 42  | 12 | 0.6          | 9.44               | 5.03 |
| EC-6204      | -2Z | -2RZ | -2RS1 |                     | 47  | 14 | 1            | 12.9               | 6.65 |
| EC-6304      | -2Z | -2RZ | -2RS1 |                     | 52  | 15 | 1.1          | 16                 | 7.88 |
| EC-6005      | -2Z | -2RZ | -2RS1 | 25                  | 47  | 12 | 0.6          | 10.1               | 5.85 |
| EC-6205      | -2Z | -2RZ | -2RS1 |                     | 52  | 15 | 1            | 14                 | 7.87 |
| EC-6305      | -2Z | -2RZ | -2RS1 |                     | 62  | 17 | 1.1          | 22.5               | 11.6 |
| EC-6006      | -2Z | -2RZ | -2RS1 | 30                  | 55  | 13 | 1            | 13.3               | 8.36 |
| EC-6206      | -2Z | -2RZ | -2RS1 |                     | 62  | 16 | 1            | 19.5               | 11.3 |
| EC-6306      | -2Z | -2RZ | -2RS1 |                     | 72  | 19 | 1.1          | 26.7               | 14.9 |
| EC-6007      | -2Z | -2RZ | -2RS1 | 35                  | 62  | 14 | 1            | 16                 | 10.3 |
| EC-6207      | -2Z | -2RZ | -2RS1 |                     | 72  | 17 | 1.1          | 25.6               | 15.5 |
| EC-6307      | -2Z | -2RZ | -2RS1 |                     | 80  | 21 | 1.5          | 33.4               | 19.2 |
| EC-6008      | -2Z | -2RZ | -2RS1 | 40                  | 68  | 15 | 1            | 16.8               | 11.6 |
| EC-6208      | -2Z | -2RZ | -2RS1 |                     | 80  | 18 | 1.1          | 27.6               | 17.4 |
| EC-6308      | -2Z | -2RZ | -2RS1 |                     | 90  | 23 | 1.5          | 40.8               | 24   |
| EC-6009      | -2Z | -2RZ | -2RS1 | 45                  | 75  | 16 | 1            | 19.9               | 14   |
| EC-6209      | -2Z | -2RZ | -2RS1 |                     | 85  | 19 | 1.1          | 31.2               | 20.4 |
| EC-6309      | -2Z | -2RZ | -2RS1 |                     | 100 | 25 | 1.5          | 48.9               | 29.3 |
| EC-6010      | -2Z | -2RZ | -2RS1 | 50                  | 80  | 16 | 1            | 20.7               | 15.4 |
| EC-6210      | -2Z | -2RZ | -2RS1 |                     | 90  | 20 | 1.1          | 35.1               | 23.2 |

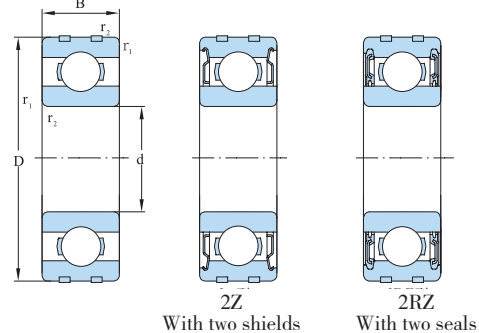
| Allowable load ratings | Limiting speeds |       |          | Abutment and fillet dimensions |             |             | Mass  |
|------------------------|-----------------|-------|----------|--------------------------------|-------------|-------------|-------|
|                        | Grease          | Oil   |          | $d_{a min}$                    | $D_{a max}$ | $r_{a max}$ |       |
| Cp                     | Z 2Z RZ 2RZ     | Z RZ  | RS1 2RS1 | mm                             |             |             | kg    |
| kN                     | r/min           |       |          |                                |             |             |       |
| 0.96                   | 29000           | 34000 | 21000    | 12                             | 24          | 0.3         | 0.019 |
| 1.12                   | 25000           | 30000 | 18000    | 14                             | 26          | 0.6         | 0.031 |
| 1.18                   | 23000           | 27000 | 16000    | 14                             | 31          | 0.6         | 0.051 |
| 1.12                   | 26000           | 30000 | 18000    | 14                             | 26          | 0.3         | 0.021 |
| 1.32                   | 22000           | 26000 | 16000    | 16                             | 28          | 0.6         | 0.036 |
| 2.2                    | 20000           | 24000 | 15000    | 17                             | 32          | 1           | 0.058 |
| 1.29                   | 22000           | 26000 | 15000    | 17                             | 30          | 0.3         | 0.029 |
| 1.72                   | 19000           | 23000 | 15000    | 19                             | 31          | 0.6         | 0.043 |
| 2.67                   | 17000           | 21000 | 12000    | 20                             | 37          | 1           | 0.079 |
| 1.55                   | 20000           | 24000 | 14000    | 19                             | 33          | 0.3         | 0.037 |
| 2.19                   | 18000           | 21000 | 12000    | 21                             | 36          | 0.6         | 0.062 |
| 3.2                    | 16000           | 19000 | 11000    | 22                             | 42          | 1           | 0.11  |
| 2.29                   | 18000           | 21000 | 11000    | 24                             | 38          | 0.6         | 0.066 |
| 3.15                   | 16000           | 18000 | 10000    | 25                             | 42          | 1           | 0.101 |
| 3.85                   | 14000           | 17000 | 10000    | 26.5                           | 45.5        | 1           | 0.139 |
| 2.59                   | 15000           | 18000 | 9400     | 29                             | 43          | 0.6         | 0.075 |
| 3.6                    | 13000           | 15000 | 8900     | 30                             | 47          | 1           | 0.122 |
| 5.3                    | 12000           | 14000 | 8100     | 31.5                           | 55.5        | 1           | 0.223 |
| 3.65                   | 13000           | 15000 | 7700     | 35                             | 50          | 1           | 0.11  |
| 5.15                   | 11000           | 13000 | 7300     | 35                             | 57          | 1           | 0.191 |
| 7.05                   | 10000           | 12000 | 6600     | 36.5                           | 65.5        | 1           | 0.334 |
| 4.5                    | 12000           | 14000 | 6800     | 40                             | 57          | 1           | 0.148 |
| 7                      | 9800            | 11000 | 6300     | 41.5                           | 65.5        | 1           | 0.227 |
| 9                      | 8800            | 10000 | 6000     | 43                             | 72          | 1.5         | 0.44  |
| 4.95                   | 10000           | 12000 | 6100     | 45                             | 63          | 1           | 0.183 |
| 8.1                    | 8700            | 10000 | 5600     | 46.5                           | 73.5        | 1           | 0.352 |
| 11.3                   | 7800            | 9200  | 5300     | 48                             | 82          | 1.5         | 0.609 |
| 6.5                    | 9200            | 11000 | 5400     | 50                             | 70          | 1           | 0.233 |
| 9.2                    | 7800            | 9200  | 5200     | 51.5                           | 78.5        | 1           | 0.391 |
| 15.1                   | 7000            | 8200  | 4700     | 53                             | 92          | 1.5         | 0.8   |
| 7.05                   | 8400            | 9800  | 5000     | 55                             | 75          | 1           | 0.246 |
| 10.3                   | 7100            | 8300  | 4700     | 56.5                           | 83.5        | 1           | 0.444 |



Harbin Bearing  
Group Corporation

Deep groove ball bearing

With expansion  
compensation

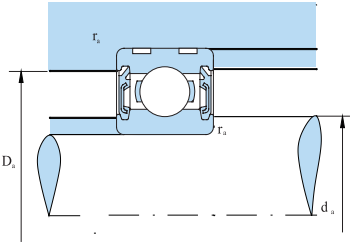


2Z With two shields  
2RZ With two seals

| Designations |     |      |       | Boundary dimensions |     |    |                      | Basic load ratings |      |
|--------------|-----|------|-------|---------------------|-----|----|----------------------|--------------------|------|
|              |     |      |       | d                   | D   | B  | r <sub>1,2</sub> min | Cr                 | Cor  |
|              | -2Z | -2RZ | -2RS1 | mm                  |     |    |                      | kN                 |      |
| EC-6310      | -2Z | -2RZ | -2RS1 | 50                  | 110 | 27 | 2                    | 57.5               | 35.3 |



2RS1  
With two seals



| Allowable load ratings | Limiting speeds |  |               |  | Abutment and fillet dimensions |                    |                    | Mass |
|------------------------|-----------------|--|---------------|--|--------------------------------|--------------------|--------------------|------|
|                        | Grease          |  | Oil           |  | d <sub>a</sub> min             | D <sub>a</sub> max | r <sub>a</sub> max |      |
| Cp                     | Z 2Z RZ 2RZ     |  | Z RZ RS1 2RS1 |  | mm                             |                    |                    | kg   |
| kN                     | r/min           |  |               |  |                                |                    |                    |      |
| 18                     | 6400            |  | 7500          |  | 59                             | 101                | 2                  | 1.03 |