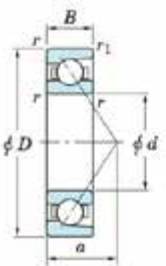
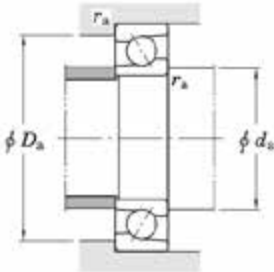


With machined cage



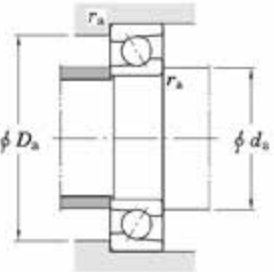
With pressed cage



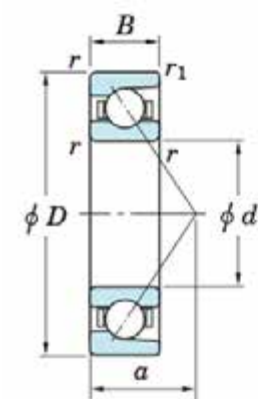
With machined cage



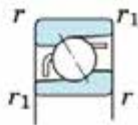
With pressed cage



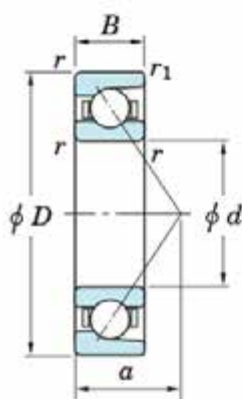
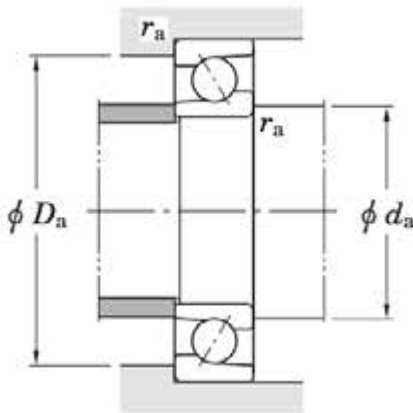
| Boundary dimensions(mm) |     |    |       |        | Basic load ratings (kN) |      |                   |      | Fatigue load limits (kN) |                   |  | Limiting speeds |          | Bearing No. | Load center (mm) | Mounting dimensions (mm) |       |     | Mass(kg) |
|-------------------------|-----|----|-------|--------|-------------------------|------|-------------------|------|--------------------------|-------------------|--|-----------------|----------|-------------|------------------|--------------------------|-------|-----|----------|
| d                       | D   | B  | r min | r1 min | With machined cage      |      | With pressed cage |      | Cu                       |                   |  |                 |          |             |                  | da                       | Da    | ra  |          |
|                         |     |    |       |        | Cr                      | C0r  | Cr                | C0r  | With machined cage       | With pressed cage |  | Grease lub.     | Oil lub. |             |                  |                          |       |     |          |
| 10                      | 26  | 8  | 0.3   | 0.15   | 6.25                    | 2.35 | -                 | -    | 0.12                     | -                 |  | 34 000          | 42 000   | 7000        | 9.1              | 12.5                     | 23.5  | 0.3 | 0.021    |
| 12                      | 28  | 8  | 0.3   | 0.15   | 6.75                    | 2.75 | -                 | -    | 0.14                     | -                 |  | 29 000          | 37 000   | 7001        | 9.9              | 14.5                     | 25.5  | 0.3 | 0.024    |
|                         | 32  | 10 | 0.6   | 0.3    | 8.65                    | 3.4  | 9.3               | 3.75 | 0.24                     | 0.27              |  | 20 000          | 27 000   | 7201B       | 14.2             | 16.5                     | 27.5  | 0.6 | 0.038    |
| 15                      | 32  | 9  | 0.3   | 0.15   | 7.65                    | 3.45 | -                 | -    | 0.18                     | -                 |  | 26 000          | 32 000   | 7002        | 11.3             | 17.5                     | 29.5  | 0.3 | 0.035    |
|                         | 35  | 11 | 0.6   | 0.3    | 9.3                     | 3.95 | 9.3               | 3.95 | 0.26                     | 0.26              |  | 18 000          | 24 000   | 7202B       | 16.2             | 19.5                     | 30.5  | 0.6 | 0.048    |
|                         | 42  | 13 | 1     | 0.6    | 15.7                    | 6.45 | 16.8              | 7.2  | 0.49                     | 0.55              |  | 20 000          | 25 000   | 7302B       | 15               | 20.5                     | 36.5  | 1   | 0.088    |
| 17                      | 35  | 10 | 0.3   | 0.15   | 8.4                     | 4.15 | -                 | -    | 0.21                     | -                 |  | 23 000          | 28 000   | 7003        | 12.7             | 19.5                     | 32.5  | 0.3 | 0.045    |
|                         | 40  | 12 | 0.6   | 0.3    | 11.7                    | 5.05 | 11.7              | 5.05 | 0.33                     | 0.33              |  | 16 000          | 21 000   | 7203B       | 18.2             | 21.5                     | 35.5  | 0.6 | 0.07     |
|                         | 47  | 14 | 1     | 0.6    | 17.3                    | 7.3  | 18.5              | 8.1  | 0.51                     | 0.57              |  | 14 000          | 18 000   | 7303B       | 20.8             | 22.5                     | 41.5  | 1   | 0.12     |
| 20                      | 42  | 12 | 0.6   | 0.3    | 12.9                    | 6.1  | -                 | -    | 0.39                     | -                 |  | 19 000          | 24 000   | 7004        | 15.1             | 24.5                     | 37.5  | 0.6 | 0.079    |
|                         | 47  | 14 | 1     | 0.6    | 16.6                    | 7.7  | 17.6              | 8.4  | 0.5                      | 0.55              |  | 13 000          | 17 000   | 7204B       | 21.5             | 25.5                     | 41.5  | 1   | 0.112    |
|                         | 52  | 15 | 1.1   | 0.6    | 20.2                    | 8.7  | 21.7              | 9.65 | 0.61                     | 0.68              |  | 13 000          | 17 000   | 7304B       | 22.6             | 27                       | 45    | 1   | 0.15     |
| 25                      | 47  | 12 | 0.6   | 0.3    | 14.1                    | 7.4  | -                 | -    | 0.45                     | -                 |  | 17 000          | 21 000   | 7005        | 16.4             | 29.5                     | 42.5  | 0.6 | 0.091    |
|                         | 52  | 15 | 1     | 0.6    | 17.5                    | 8.7  | 18.4              | 9.4  | 0.53                     | 0.58              |  | 12 000          | 15 000   | 7205B       | 23.9             | 30.5                     | 46.5  | 1   | 0.135    |
|                         | 62  | 17 | 1.1   | 0.6    | 28.6                    | 13.3 | 30.5              | 14.6 | 0.91                     | 1                 |  | 10 000          | 14 000   | 7305B       | 26.8             | 32                       | 55    | 1   | 0.243    |
| 30                      | 55  | 13 | 1     | 0.6    | 18.2                    | 10.1 | -                 | -    | 0.61                     | -                 |  | 14 000          | 18 000   | 7006        | 18.8             | 35.5                     | 49.5  | 1   | 0.133    |
|                         | 62  | 16 | 1     | 0.6    | 24.3                    | 12.5 | 25.6              | 13.6 | 0.77                     | 0.84              |  | 9 600           | 13 000   | 7206B       | 27.6             | 35.5                     | 56.5  | 1   | 0.208    |
|                         | 72  | 19 | 1.1   | 0.6    | 34.5                    | 17.4 | 36.6              | 19   | 1.15                     | 1.25              |  | 8 700           | 12 000   | 7306B       | 31.3             | 37                       | 65    | 1   | 0.362    |
| 35                      | 62  | 14 | 1     | 0.6    | 21.9                    | 12.6 | -                 | -    | 0.74                     | -                 |  | 12 000          | 15 000   | 7007        | 21.2             | 40.5                     | 56.5  | 1   | 0.17     |
|                         | 72  | 17 | 1.1   | 0.6    | 32                      | 17   | 33.8              | 18.5 | 1.05                     | 1.15              |  | 8 300           | 11 000   | 7207B       | 31.4             | 42                       | 65    | 1   | 0.295    |
|                         | 80  | 21 | 1.5   | 1      | 40.6                    | 20.2 | 45.8              | 24.3 | 1.3                      | 1.6               |  | 7 700           | 10 000   | 7307B       | 35               | 43.5                     | 71.5  | 1.5 | 0.475    |
| 40                      | 68  | 15 | 1     | 0.6    | 23.4                    | 14.6 | -                 | -    | 0.83                     | -                 |  | 11 000          | 14 000   | 7008        | 23.2             | 45.5                     | 62.5  | 1   | 0.21     |
|                         | 80  | 18 | 1.1   | 0.6    | 38.2                    | 21.3 | 40.2              | 23   | 1.3                      | 1.4               |  | 7 500           | 10 000   | 7208B       | 34.2             | 47                       | 73    | 1   | 0.382    |
|                         | 90  | 23 | 1.5   | 1      | 49.6                    | 25.2 | 56                | 30.3 | 1.65                     | 2                 |  | 6 900           | 9 200    | 7308B       | 38.8             | 48.5                     | 81.5  | 1.5 | 0.657    |
| 45                      | 75  | 16 | 1     | 0.6    | 27.8                    | 17.7 | -                 | -    | 1                        | -                 |  | 10 000          | 12 000   | 7009        | 25.3             | 50.5                     | 69.5  | 1   | 0.26     |
|                         | 85  | 19 | 1.1   | 0.6    | 42.9                    | 24.3 | 45.1              | 26.1 | 1.5                      | 1.6               |  | 7 000           | 9 400    | 7209B       | 36.4             | 52                       | 78    | 1   | 0.43     |
|                         | 100 | 25 | 1.5   | 1      | 63.2                    | 34.1 | 67                | 37.2 | 2.2                      | 2.4               |  | 6 200           | 8 200    | 7309B       | 43.1             | 53.5                     | 91.5  | 1.5 | 0.875    |
| 50                      | 80  | 16 | 1     | 0.6    | 29.5                    | 20.1 | -                 | -    | 1.1                      | -                 |  | 9 200           | 11 000   | 7010        | 26.9             | 55.5                     | 74.5  | 1   | 0.29     |
|                         | 90  | 20 | 1.1   | 0.6    | 44.6                    | 26.7 | 46.7              | 28.6 | 1.55                     | 1.7               |  | 6 400           | 8 500    | 7210B       | 39.6             | 57                       | 83    | 1   | 0.485    |
|                         | 110 | 27 | 2     | 1      | 80.5                    | 44.3 | 85.3              | 48.3 | 2.9                      | 3.15              |  | 5 500           | 7 300    | 7310B       | 47.9             | 60                       | 100   | 2   | 1.14     |
| 55                      | 90  | 18 | 1.1   | 0.6    | 38.9                    | 26.3 | -                 | -    | 1.5                      | -                 |  | 8 300           | 10 000   | 7011        | 29.9             | 62                       | 83    | 1   | 0.42     |
|                         | 100 | 21 | 1.5   | 1      | 55.1                    | 33.8 | 57.7              | 36.2 | 2                        | 2.15              |  | 5700            | 7600     | 7211B       | 43.6             | 63.5                     | 91.5  | 1.5 | 0.635    |
|                         | 120 | 29 | 2     | 1      | 92.9                    | 52   | 98.4              | 56.7 | 3.4                      | 3.7               |  | 5000            | 6700     | 7311B       | 51.8             | 65                       | 110   | 2   | 1.45     |
| 60                      | 95  | 18 | 1.1   | 0.6    | 39.9                    | 28.1 | -                 | -    | 1.55                     | -                 |  | 7 700           | 9 700    | 7012        | 31.4             | 67                       | 88    | 1   | 0.45     |
|                         | 110 | 22 | 1.5   | 1      | 66.8                    | 41.6 | 69.9              | 44.6 | 2.45                     | 2.6               |  | 5100            | 6900     | 7212B       | 47.5             | 68.5                     | 101.5 | 1.5 | 0.82     |
|                         | 130 | 31 | 2.1   | 1.1    | 106                     | 60.3 | 113               | 65.8 | 3.95                     | 4.3               |  | 4 600           | 6 200    | 7312B       | 55.8             | 72                       | 118   | 2   | 1.81     |



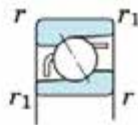
With machined cage



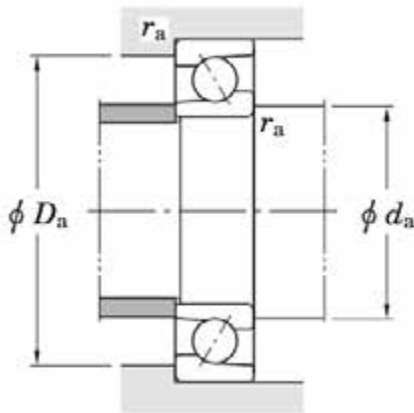
With pressed cage



With machined cage



With pressed cage



| Boundary dimensions(mm) |     |    |       |        | Basic load ratings (kN) |      |                   |      | Fatigue load limits (kN) |                   |  | Limiting speeds |          | Bearing No. | Load center (mm) | Mounting dimensions (mm) |       |      | Mass(kg) |
|-------------------------|-----|----|-------|--------|-------------------------|------|-------------------|------|--------------------------|-------------------|--|-----------------|----------|-------------|------------------|--------------------------|-------|------|----------|
| d                       | D   | B  | r min | r1 min | With machined cage      |      | With pressed cage |      | Cu                       |                   |  |                 |          |             |                  | da                       | Da    | ra   |          |
|                         |     |    |       |        | Cr                      | COr  | Cr                | COr  | With machined cage       | With pressed cage |  | Grease lub.     | Oil lub. |             |                  | min.                     | max.  | max. |          |
| 65                      | 100 | 18 | 1.1   | 0.6    | 42.1                    | 31.4 | -                 | -    | 1.7                      | -                 |  | 7 200           | 9 000    | 7013        | 33               | 72                       | 93    | 1    | 0.47     |
|                         | 120 | 23 | 1.5   | 1      | 76.2                    | 49.3 | 79.5              | 52.6 | 2.9                      | 3.1               |  | 4800            | 6400     | 7213B       | 50.3             | 73.5                     | 111.5 | 1.5  | 1.02     |
| 70                      | 110 | 20 | 1.1   | 0.6    | 53.3                    | 39.4 | -                 | -    | 2.15                     | -                 |  | 6 600           | 8 300    | 7014        | 36               | 77                       | 103   | 1    | 0.66     |
|                         | 125 | 24 | 1.5   | 1      | 79                      | 50.6 | 86.4              | 57.8 | 2.95                     | 3.4               |  | 4600            | 6100     | 7214B       | 52.9             | 78.5                     | 116.5 | 1.5  | 1.12     |
| 75                      | 130 | 25 | 1.5   | 1      | 89.6                    | 59.3 | 93.6              | 63.3 | 3.4                      | 3.65              |  | 4300            | 5800     | 7215B       | 55.5             | 83.5                     | 121.5 | 1.5  | 1.23     |
| 80                      | 140 | 26 | 2     | 1      | 96.4                    | 65   | 101               | 69.3 | 3.55                     | 3.8               |  | 4000            | 5400     | 7216B       | 59.2             | 90                       | 130   | 2    | 1.5      |
| 85                      | 150 | 28 | 2     | 1      | 111                     | 76   | 116               | 81.1 | 4.05                     | 4.35              |  | 3800            | 5000     | 7217B       | 63.3             | 95                       | 140   | 2    | 1.87     |
| 90                      | 140 | 24 | 1.5   | 1      | 81.5                    | 63.3 | -                 | -    | 3.25                     | -                 |  | 5 100           | 6 400    | 7018        | 45.2             | 98.5                     | 131.5 | 1.5  | 1.26     |
| 100                     | 150 | 24 | 1.5   | 1      | 85.5                    | 70.6 | -                 | -    | 3.35                     | -                 |  | 4 700           | 5 900    | 7020        | 48.1             | 108.5                    | 141.5 | 1.5  | 1.37     |

\* Not a stocked range although available on request.