

## SKF Single row angular contact ball bearing Series: 73

Angular contact ball bearings have raceways in the inner and outer rings that are displaced relative to each other in the direction of the bearing axis. This means that they are designed to accommodate combined loads, i.e. simultaneously acting radial and axial loads. The axial load carrying capacity of angular contact ball bearings increases with increasing contact angle. The contact angle is defined as the angle between the line joining the points of contact of the ball and the raceways in the radial plane, along which the load is transmitted from one raceway to another, and a line perpendicular to the bearing axis. Angular contact ball bearings are manufactured in a wide variety of designs and sizes. The most commonly used designs are:

- single row angular contact ball bearings
- double row angular contact ball bearings
- four-point contact ball bearings

### Single row angular contact ball bearings

Single row angular contact ball bearings can accommodate axial loads acting in one direction only. A single row bearing is typically adjusted against a second bearing. The bearings are non-separable and the bearing rings have one high and one low shoulder. The low shoulder enables a large number of balls to be incorporated in the bearing, giving it a relatively high load carrying capacity. The bearings are designed as standard with three contact angle indications. The most common versions have a contact angle of 40°. Larger bearings usually have contact angles of 25° or 30°.

### Characteristics

**Series:** 73

**With sealing:** No

### Application

- Recommended in: Chemical

| Manufacturer ID                | Inner diameter<br>mm | Outer diameter<br>mm | Width<br>mm | Contact angle<br>° | Cage    | Article  |
|--------------------------------|----------------------|----------------------|-------------|--------------------|---------|----------|
| Max. 200 articles in the table |                      |                      |             |                    |         |          |
| 7301 BEGAP                     | 12                   | 37                   | 12          | 40                 | Plastic | 13529904 |
| 7301 BEP                       | 12                   | 37                   | 12          | 40                 | Plastic | 23759764 |
| 7302 BEGAP                     | 15                   | 42                   | 13          | 40                 | Plastic | 13529906 |
| 7302 BEP                       | 15                   | 42                   | 13          | 40                 | Plastic | 23759766 |
| 7302 BECBP                     | 15                   | 42                   | 13          | 40                 | Plastic | 23759765 |
| 7303 BEGAP                     | 17                   | 47                   | 14          | 40                 | Plastic | 23759768 |
| 7303 BEP                       | 17                   | 47                   | 14          | 40                 | Plastic | 23759769 |
| 7303 BECBP                     | 17                   | 47                   | 14          | 40                 | Plastic | 23759767 |
| 7304 ACCBM                     | 20                   | 52                   | 15          | 25                 | Brass   | 13529907 |
| 7304 BECBM                     | 20                   | 52                   | 15          | 40                 | Brass   | 23759771 |
| 7304 BECBY                     | 20                   | 52                   | 15          | 40                 | Brass   | 24002945 |
| 7304 BEGBP                     | 20                   | 52                   | 15          | 40                 | Plastic | 12121266 |
| 7304 BECBP                     | 20                   | 52                   | 15          | 40                 | Plastic | 23759772 |
| 7304 BEGAP                     | 20                   | 52                   | 15          | 40                 | Plastic | 23759773 |
| 7304 BEP                       | 20                   | 52                   | 15          | 40                 | Plastic | 23759774 |
| 7305 ACCBM                     | 25                   | 62                   | 17          | 25                 | Brass   | 13529908 |
| 7305 BECBM                     | 25                   | 62                   | 17          | 40                 | Brass   | 23759775 |
| 7305 BECBY                     | 25                   | 62                   | 17          | 40                 | Brass   | 24002946 |
| 7305 BEGBY                     | 25                   | 62                   | 17          | 40                 | Brass   | 24002948 |
| 7305 BECBY/W64                 | 25                   | 62                   | 17          | 40                 | Brass   | 13199407 |
| 7305 BECBP                     | 25                   | 62                   | 17          | 40                 | Plastic | 23759776 |

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| Manufacturer ID  | Inner diameter<br>mm | Outer diameter<br>mm | Width<br>mm | Contact angle<br>° | Cage    | Article<br>Max. 200 articles in the table |
|------------------|----------------------|----------------------|-------------|--------------------|---------|-------------------------------------------|
| 7305 BEP         | 25                   | 62                   | 17          | 40                 | Plastic | 23759777                                  |
| 7305 BEGBP/VT105 | 25                   | 62                   | 17          | 40                 | Plastic | 12121269                                  |
| 7305 BEGBP       | 25                   | 62                   | 17          | 40                 | Plastic | 12045521                                  |
| 7305 BEGAP       | 25                   | 62                   | 17          | 40                 | Plastic | 24002947                                  |
| 7305 BEGAPH      | 25                   | 62                   | 17          | 40                 | Plastic | 13529909                                  |
| 7306 ACCBM       | 30                   | 72                   | 19          | 25                 | Brass   | 13529910                                  |
| 7306 BEGBM       | 30                   | 72                   | 19          | 40                 | Brass   | 13529911                                  |
| 7306 BECBM       | 30                   | 72                   | 19          | 40                 | Brass   | 23759778                                  |
| 7306 BEGBY       | 30                   | 72                   | 19          | 40                 | Brass   | 24002952                                  |
| 7306 BEGAM       | 30                   | 72                   | 19          | 40                 | Brass   | 24002949                                  |
| 7306 BECBY       | 30                   | 72                   | 19          | 40                 | Brass   | 23759780                                  |
| 7306 BEGAP       | 30                   | 72                   | 19          | 40                 | Plastic | 23759781                                  |
| 7306 BEGBP       | 30                   | 72                   | 19          | 40                 | Plastic | 24002951                                  |
| 7306 BEP         | 30                   | 72                   | 19          | 40                 | Plastic | 23759782                                  |
| 7306 BECBP       | 30                   | 72                   | 19          | 40                 | Plastic | 23759779                                  |
| 7306 BEGAPH      | 30                   | 72                   | 19          | 40                 | Plastic | 24002950                                  |
| 7306 BECBP/W64   | 30                   | 72                   | 19          | 40                 | Plastic | 13199410                                  |
| 7307 ACCBM       | 35                   | 80                   | 21          | 25                 | Brass   | 13529912                                  |
| 7307 BECBY       | 35                   | 80                   | 21          | 40                 | Brass   | 23759785                                  |
| 7307 BECBM       | 35                   | 80                   | 21          | 40                 | Brass   | 23759783                                  |
| 7307 BEGAM       | 35                   | 80                   | 21          | 40                 | Brass   | 24002953                                  |
| 7307 BEGAPH      | 35                   | 80                   | 21          | 40                 | Plastic | 24002954                                  |
| 7307 BEGBP       | 35                   | 80                   | 21          | 40                 | Plastic | 24002955                                  |
| 7307 BEGAP       | 35                   | 80                   | 21          | 40                 | Plastic | 23759786                                  |
| 7307 BECBP       | 35                   | 80                   | 21          | 40                 | Plastic | 23759784                                  |
| 7307 BEP         | 35                   | 80                   | 21          | 40                 | Plastic | 23759787                                  |
| 7308 ACCBM       | 40                   | 90                   | 23          | 25                 | Brass   | 13529913                                  |
| 7308 BEGBY       | 40                   | 90                   | 23          | 40                 | Brass   | 24002961                                  |
| 7308 BEGAM       | 40                   | 90                   | 23          | 40                 | Brass   | 24002957                                  |
| 7308 BEGBM       | 40                   | 90                   | 23          | 40                 | Brass   | 24002960                                  |
| 7308 BEM1        | 40                   | 90                   | 23          | 40                 | Brass   | 12121276                                  |
| 7308 BEM/VE095   | 40                   | 90                   | 23          | 40                 | Brass   | 12121275                                  |
| 7308 BECBM       | 40                   | 90                   | 23          | 40                 | Brass   | 23759789                                  |
| 7308 BECBY       | 40                   | 90                   | 23          | 40                 | Brass   | 24002956                                  |
| 7308 BEGAPH      | 40                   | 90                   | 23          | 40                 | Plastic | 24002959                                  |
| 7308 BECBP       | 40                   | 90                   | 23          | 40                 | Plastic | 23759790                                  |
| 7308 BEP         | 40                   | 90                   | 23          | 40                 | Plastic | 23759792                                  |
| 7308 BEGBP       | 40                   | 90                   | 23          | 40                 | Plastic | 23759791                                  |
| 7308 BEGAP       | 40                   | 90                   | 23          | 40                 | Plastic | 24002958                                  |
| 7308 BECBJ       | 40                   | 90                   | 23          | 40                 | Steel   | 23759788                                  |
| 7309 ACCBM       | 45                   | 100                  | 25          | 25                 | Brass   | 13529914                                  |
| 7309 BEGBY       | 45                   | 100                  | 25          | 40                 | Brass   | 24002964                                  |
| 7309 BECBM       | 45                   | 100                  | 25          | 40                 | Brass   | 23759794                                  |
| 7309 BECBY       | 45                   | 100                  | 25          | 40                 | Brass   | 23759796                                  |
| 7309 BEGAM       | 45                   | 100                  | 25          | 40                 | Brass   | 13199416                                  |
| 7309 BEGCP/P5    | 45                   | 100                  | 25          | 40                 | Plastic | 12121278                                  |
| 7309 BEGAPH      | 45                   | 100                  | 25          | 40                 | Plastic | 24002962                                  |
| 7309 BEGAP       | 45                   | 100                  | 25          | 40                 | Plastic | 23759797                                  |
| 7309 BEGBP       | 45                   | 100                  | 25          | 40                 | Plastic | 24002963                                  |
| 7309 BECBP       | 45                   | 100                  | 25          | 40                 | Plastic | 23759795                                  |
| 7309 BEP         | 45                   | 100                  | 25          | 40                 | Plastic | 23759798                                  |
| 7309 BECBJ       | 45                   | 100                  | 25          | 40                 | Steel   | 23759793                                  |
| 7310 ACCBM       | 50                   | 110                  | 27          | 25                 | Brass   | 13529916                                  |

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| Manufacturer ID    | Inner diameter | Outer diameter | Width | Contact angle | Cage    | Article                        |
|--------------------|----------------|----------------|-------|---------------|---------|--------------------------------|
|                    | mm             | mm             | mm    | °             |         | Max. 200 articles in the table |
| 7310 BECBM         | 50             | 110            | 27    | 40            | Brass   | 23759800                       |
| 7310 BEGBY         | 50             | 110            | 27    | 40            | Brass   | 24002968                       |
| 7310 BECBY         | 50             | 110            | 27    | 40            | Brass   | 24002965                       |
| 7310 BEGAM         | 50             | 110            | 27    | 40            | Brass   | 23759803                       |
| 7310 BEGAY         | 50             | 110            | 27    | 40            | Brass   | 23759805                       |
| 7310 BEM/VE095     | 50             | 110            | 27    | 40            | Brass   | 12121281                       |
| 7310 BECAM         | 50             | 110            | 27    | 40            | Brass   | 12121279                       |
| 7310 BEP/W64       | 50             | 110            | 27    | 40            | Plastic | 13199418                       |
| 7310 BEGAPH        | 50             | 110            | 27    | 40            | Plastic | 24002966                       |
| 7311 BEC86P        | 50             | 110            | 27    | 40            | Plastic | 23759807                       |
| 7310 BEGAP         | 50             | 110            | 27    | 40            | Plastic | 23759804                       |
| 7310 BEP           | 50             | 110            | 27    | 40            | Plastic | 23759806                       |
| 7310 BECBP         | 50             | 110            | 27    | 40            | Plastic | 23759801                       |
| 7310 BEGBP         | 50             | 110            | 27    | 40            | Plastic | 24002967                       |
| 7310 BECBJ         | 50             | 110            | 27    | 40            | Steel   | 23759799                       |
| 7310 BEGAF         | 50             | 110            | 27    | 40            | Steel   | 23759802                       |
| 7310 BECBJ/WTVT300 | 50             | 110            | 27    | 40            | Steel   | 12121280                       |
| 7311 ACCBM         | 55             | 120            | 29    | 25            | Brass   | 13529917                       |
| 7311 BECCM         | 55             | 120            | 29    | 40            | Brass   | 24002969                       |
| 7311 BECBY         | 55             | 120            | 29    | 40            | Brass   | 23759811                       |
| 7311 BECBM         | 55             | 120            | 29    | 40            | Brass   | 23759809                       |
| 7311 BEGAY         | 55             | 120            | 29    | 40            | Brass   | 24002972                       |
| 7311 BEGBM         | 55             | 120            | 29    | 40            | Brass   | 24002973                       |
| 7311 BEGBY         | 55             | 120            | 29    | 40            | Brass   | 24002975                       |
| 7311 BEGAM         | 55             | 120            | 29    | 40            | Brass   | 23759812                       |
| 7311 BEGAP         | 55             | 120            | 29    | 40            | Plastic | 24002970                       |
| 7311 BEGBP         | 55             | 120            | 29    | 40            | Plastic | 24002974                       |
| 7311 BEGAPH        | 55             | 120            | 29    | 40            | Plastic | 24002971                       |
| 7311 BECBP         | 55             | 120            | 29    | 40            | Plastic | 23759810                       |
| 7311 BECBPH        | 55             | 120            | 29    | 40            | Plastic | 13529918                       |
| 7311 BEP           | 55             | 120            | 29    | 40            | Plastic | 23759813                       |
| 7311 BECBJ         | 55             | 120            | 29    | 40            | Steel   | 23759808                       |
| 7311 BECBJ/WTVT300 | 55             | 120            | 29    | 40            | Steel   | 12121283                       |
| 7312 ACCBM         | 60             | 130            | 31    | 25            | Brass   | 13529919                       |
| 7312 BECBM         | 60             | 130            | 31    | 40            | Brass   | 23759815                       |
| 7312 BEGAM         | 60             | 130            | 31    | 40            | Brass   | 23759818                       |
| 7312 BECCM         | 60             | 130            | 31    | 40            | Brass   | 23759817                       |
| 7312 BEGAY         | 60             | 130            | 31    | 40            | Brass   | 24002978                       |
| 7312 BECBY         | 60             | 130            | 31    | 40            | Brass   | 24002976                       |
| 7312 BEGBM         | 60             | 130            | 31    | 40            | Brass   | 24002979                       |
| 7312 BEGBY         | 60             | 130            | 31    | 40            | Brass   | 24002981                       |
| 7312 BEGAP         | 60             | 130            | 31    | 40            | Plastic | 24002977                       |
| 7312 BECAP         | 60             | 130            | 31    | 40            | Plastic | 12121284                       |
| 7312 BECBP/W64     | 60             | 130            | 31    | 40            | Plastic | 13199421                       |
| 7312 BEGBP         | 60             | 130            | 31    | 40            | Plastic | 24002980                       |
| 7312 BECBP         | 60             | 130            | 31    | 40            | Plastic | 23759816                       |
| 7312 BEP           | 60             | 130            | 31    | 40            | Plastic | 23759819                       |
| 7312 BEGAPH        | 60             | 130            | 31    | 40            | Plastic | 13529920                       |
| 7312 BECBJ         | 60             | 130            | 31    | 40            | Steel   | 23759814                       |
| 7313 ACCBM         | 65             | 140            | 33    | 25            | Brass   | 13529921                       |
| 7313 BEGAM         | 65             | 140            | 33    | 40            | Brass   | 24002984                       |
| 7313 BECCM         | 65             | 140            | 33    | 40            | Brass   | 23759823                       |
| 7313 BECBM         | 65             | 140            | 33    | 40            | Brass   | 23759821                       |

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| Manufacturer ID | Inner diameter | Outer diameter | Width | Contact angle | Cage    | Article                        |
|-----------------|----------------|----------------|-------|---------------|---------|--------------------------------|
|                 | mm             | mm             | mm    | °             |         | Max. 200 articles in the table |
| 7313 BECBY      | 65             | 140            | 33    | 40            | Brass   | 24002983                       |
| 7313 BEC86P     | 65             | 140            | 33    | 40            | Plastic | 12110638                       |
| 7313 BECBP      | 65             | 140            | 33    | 40            | Plastic | 23759822                       |
| 7313 BEP        | 65             | 140            | 33    | 40            | Plastic | 23759825                       |
| 7313 BECBF      | 65             | 140            | 33    | 40            | Steel   | 24002982                       |
| 7313 BECBJ      | 65             | 140            | 33    | 40            | Steel   | 23759820                       |
| 7313 BEGAF      | 65             | 140            | 33    | 40            | Steel   | 23759824                       |
| 7314 ACCBM      | 70             | 150            | 35    | 25            | Brass   | 13529922                       |
| 7314 BECBY      | 70             | 150            | 35    | 40            | Brass   | 23759829                       |
| 7314 BECBM      | 70             | 150            | 35    | 40            | Brass   | 23759827                       |
| 7314 BEGAPH     | 70             | 150            | 35    | 40            | Plastic | 12121286                       |
| 7314 BEP        | 70             | 150            | 35    | 40            | Plastic | 23759832                       |
| 7314 BECBP      | 70             | 150            | 35    | 40            | Plastic | 23759828                       |
| 7314 BECBPH     | 70             | 150            | 35    | 40            | Plastic | 13529923                       |
| 7314 BEGAP      | 70             | 150            | 35    | 40            | Plastic | 23759831                       |
| 7314 BEGAJ      | 70             | 150            | 35    | 40            | Steel   | 23759830                       |
| 7314 BECBJ      | 70             | 150            | 35    | 40            | Steel   | 23759826                       |
| 7315 BECCM      | 75             | 160            | 37    | 40            |         | 23223637                       |
| 7315 BECBM      | 75             | 160            | 37    | 40            | Brass   | 23759835                       |
| 7315 BECBP      | 75             | 160            | 37    | 40            | Plastic | 23759836                       |
| 7315 BEP        | 75             | 160            | 37    | 40            | Plastic | 23759838                       |
| 7315 BEGAPH     | 75             | 160            | 37    | 40            | Plastic | 13529925                       |
| 7315 BECBJ      | 75             | 160            | 37    | 40            | Steel   | 23759834                       |
| 7316 BECBM      | 80             | 170            | 39    | 40            | Brass   | 23759840                       |
| 7316 BEGAPH     | 80             | 170            | 39    | 40            | Plastic | 13529926                       |
| 7316 BEGAP      | 80             | 170            | 39    | 40            | Plastic | 23759842                       |
| 7316 BEP        | 80             | 170            | 39    | 40            | Plastic | 23759844                       |
| 7316 BECBP/W64  | 80             | 170            | 39    | 40            | Plastic | 13199429                       |
| 7316 BECBJ/W64  | 80             | 170            | 39    | 40            | Steel   | 13199427                       |
| 7316 BECBJ      | 80             | 170            | 39    | 40            | Steel   | 23759839                       |
| 7317 BECBM      | 85             | 180            | 41    | 40            | Brass   | 23759847                       |
| 7317 BEP        | 85             | 180            | 41    | 40            | Plastic | 23759851                       |
| 7317 BECBP      | 85             | 180            | 41    | 40            | Plastic | 23759848                       |
| 7317 BEGAF      | 85             | 180            | 41    | 40            | Steel   | 23759849                       |
| 7317 BECBJ      | 85             | 180            | 41    | 40            | Steel   | 23759846                       |
| 7317 BECBF      | 85             | 180            | 41    | 40            | Steel   | 23759845                       |
| 7318 BECBM      | 90             | 190            | 43    | 40            | Brass   | 23759853                       |
| 7318 BEGAPH     | 90             | 190            | 43    | 40            | Plastic | 12121289                       |
| 7318 BEP        | 90             | 190            | 43    | 40            | Plastic | 23759856                       |
| 7318 BECBP      | 90             | 190            | 43    | 40            | Plastic | 23759854                       |
| 7318 BECBJ      | 90             | 190            | 43    | 40            | Steel   | 23759852                       |
| 7319 BEM        | 95             | 200            | 45    | 40            | Brass   | 23759859                       |
| 7319 BECBM      | 95             | 200            | 45    | 40            | Brass   | 23759857                       |
| 7319 BEGAP      | 95             | 200            | 45    | 40            | Plastic | 12121290                       |
| 7319 BECBP      | 95             | 200            | 45    | 40            | Plastic | 23759858                       |
| 7319 BEGAPH     | 95             | 200            | 45    | 40            | Plastic | 11614992                       |
| 7320 BECBM      | 100            | 215            | 47    | 40            | Brass   | 23759860                       |
| 7320 BEM        | 100            | 215            | 47    | 40            | Brass   | 23759863                       |
| 7320 BECBP      | 100            | 215            | 47    | 40            | Plastic | 23759861                       |
| 7320 BEP        | 100            | 215            | 47    | 40            | Plastic | 23759864                       |
| 7320 BEGAF      | 100            | 215            | 47    | 40            | Steel   | 23759862                       |
| 7321 BECBM      | 105            | 225            | 49    | 40            | Brass   | 23759865                       |
| 7321 BEP        | 105            | 225            | 49    | 40            | Plastic | 23759867                       |

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| Manufacturer ID | Inner diameter | Outer diameter | Width | Contact angle | Cage    | Article                        |
|-----------------|----------------|----------------|-------|---------------|---------|--------------------------------|
|                 | mm             | mm             | mm    | °             |         | Max. 200 articles in the table |
| 7321 BECBP      | 105            | 225            | 49    | 40            | Plastic | 23759866                       |
| 7322 BECBY      | 110            | 240            | 50    | 40            | Brass   | 23759870                       |
| 7322 BEM        | 110            | 240            | 50    | 40            | Brass   | 23759871                       |
| 7322 BECBM      | 110            | 240            | 50    | 40            | Brass   | 23759868                       |
| 7322 BECBP      | 110            | 240            | 50    | 40            | Plastic | 23759869                       |
| 7322 BEP        | 110            | 240            | 50    | 40            | Plastic | 23759872                       |
| 7324 BCBM       | 120            | 260            | 55    | 40            | Brass   | 23759873                       |
| 7324 BGAM       | 120            | 260            | 55    | 40            | Brass   | 13529927                       |
| 7326 BGAM       | 130            | 280            | 58    | 40            | Brass   | 13529928                       |
| 7326 BCBM       | 130            | 280            | 58    | 40            | Brass   | 23759874                       |
| 7326 BM         | 130            | 280            | 58    | 40            | Brass   | 23759875                       |
| 7328 BCBM       | 140            | 300            | 62    | 40            | Brass   | 23759876                       |
| 7328 BGAM       | 140            | 300            | 62    | 40            | Brass   | 13529929                       |
| 7330 BGAM       | 150            | 320            | 65    | 40            | Brass   | 13529930                       |
| 7330 BCBM       | 150            | 320            | 65    | 40            | Brass   | 23759877                       |
| 7332 BCBM       | 160            | 340            | 68    | 40            | Brass   | 12121291                       |
| 7334 BCBM       | 170            | 360            | 72    | 40            | Brass   | 23759878                       |
| 7336 BCBM       | 180            | 380            | 75    | 40            | Brass   | 23759879                       |
| 7340 BCBM       | 200            | 420            | 80    | 40            | Brass   | 11615010                       |

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