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## Rolling Mill Bearings

# Durable



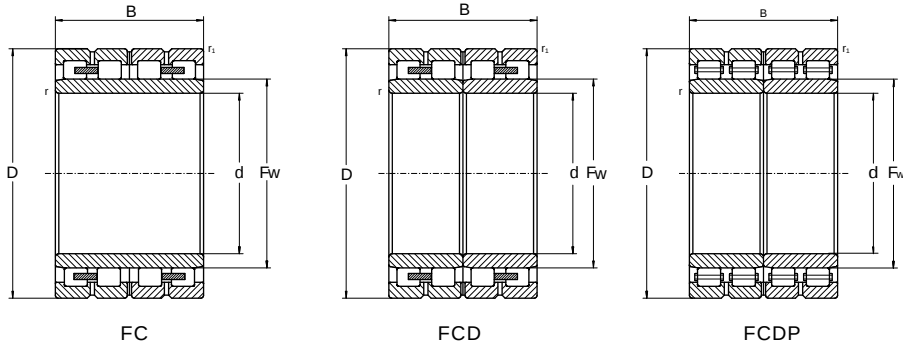
Bringing motion  
to your world

Four-row Cylindrical Roller Bearings  
With cylindrical bore

This type of bearings is the most widely used bearings among the various rolling mill bearings in the metallurgical industry.

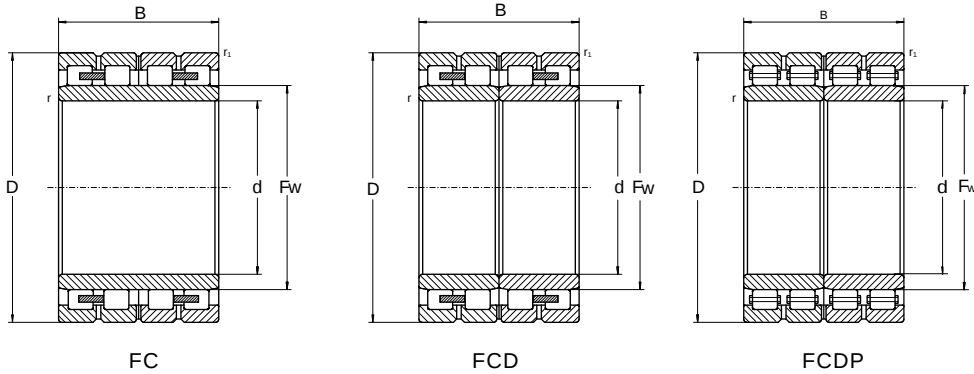
Main Characteristics

- a. The maximum dynamic load rating can be achieved with a limited mounting space;
- b. They are applicable for high speed operation;
- c. They permit more accurate limiting tolerances;
- d. Both inner ring and outer ring assembly (outer ring with a set of rollers) are interchangeable, which is helpful for quick roll replacement;
- e. They can only accommodate radial load.



| KML No.       | Boundary Dimensions<br>mm |     |     |     |                  |                   | Basic load ratings<br>KN |               | Limiting speeds<br>RPM |      | (Refer.)<br>Mass<br>kg |
|---------------|---------------------------|-----|-----|-----|------------------|-------------------|--------------------------|---------------|------------------------|------|------------------------|
|               | d                         | D   | B   | Fw  | r <sub>min</sub> | r <sub>1min</sub> | Dynamic<br>Cr            | Static<br>Cor | Grease                 | Oil  |                        |
| FC182870      | 90                        | 140 | 70  | 105 | 1.1              | 1.5               | 210                      | 420           | 3600                   | 4500 | 4.016                  |
| FC2842125/C3  | 140                       | 210 | 125 | 158 | 2.0              | 2.0               | 560                      | 1200          | 2000                   | 2600 | 14.6                   |
| FC3045120     | 150                       | 225 | 120 | 169 | 2.0              | 2.0               | 560                      | 1240          | 1900                   | 2300 | 16.0                   |
| FC3046156     |                           | 230 | 156 | 174 | 2.0              | 2.0               | 820                      | 1680          | 1860                   | 2300 | 24.2                   |
| FC3246168     | 160                       | 230 | 168 | 180 | 2.1              | 2.1               | 830                      | 2240          | 1800                   | 2200 | 23.1                   |
| FC3248124     |                           | 240 | 124 | 183 | 2.1              | 2.1               | 690                      | 1520          | 1700                   | 2100 | 19.2                   |
| FC3248168     |                           | 240 | 168 | 183 | 2.1              | 2.1               | 940                      | 2350          | 1700                   | 2100 | 26.4                   |
| FC3650156     | 180                       | 250 | 156 | 200 | 2.1              | 2.1               | 900                      | 2420          | 1540                   | 1920 | 23.9                   |
| FC3652168     |                           | 260 | 168 | 202 | 2.1              | 2.1               | 1000                     | 2600          | 1500                   | 1800 | 29.9                   |
| FC3656180     |                           | 280 | 180 | 207 | 2.1              | 2.1               | 1200                     | 2900          | 1400                   | 1700 | 41.7                   |
| FC3852168     | 190                       | 260 | 168 | 208 | 2.1              | 2.1               | 1000                     | 2600          | 1400                   | 1800 | 27.6                   |
| FC3854168     |                           | 270 | 168 | 212 | 2.1              | 2.1               | 1020                     | 2650          | 1400                   | 1700 | 30.6                   |
| FC3854200     |                           | 270 | 200 | 212 | 2.1              | 2.1               | 1190                     | 3250          | 1400                   | 1700 | 36.6                   |
| FC3856200     |                           | 280 | 200 | 214 | 2.1              | 2.1               | 1500                     | 3350          | 1400                   | 1700 | 42.7                   |
| FC4056200     | 200                       | 280 | 200 | 224 | 2.1              | 2.1               | 1300                     | 3250          | 1300                   | 1600 | 38.9                   |
| FC4058192M/C4 |                           | 290 | 192 | 226 | 2.1              | 2.1               | 1090                     | 2950          | 1250                   | 1540 | 41.6                   |
| FC4260210     | 210                       | 300 | 210 | 234 | 2.1              | 2.1               | 1500                     | 3450          | 1150                   | 1450 | 47.9                   |
| FC4460192     | 220                       | 300 | 192 | 242 | 2.1              | 2.1               | 1130                     | 3200          | 1100                   | 1300 | 39.2                   |
| FC4462192     |                           | 310 | 192 | 246 | 2.1              | 2.1               | 1290                     | 3550          | 1100                   | 1300 | 47.0                   |
| FC4462225     |                           | 310 | 225 | 245 | 2.1              | 2.1               | 1600                     | 4350          | 980                    | 1120 | 53.5                   |
| FC4464210     |                           | 320 | 210 | 248 | 2.1              | 2.1               | 1350                     | 3600          | 1050                   | 1300 | 57.0                   |
| FC4666206A/C4 | 230                       | 330 | 206 | 260 | 2.1              | 2.1               | 1400                     | 4000          | 980                    | 1200 | 57.1                   |
| FC4668260     |                           | 340 | 260 | 261 | 2.1              | 2.1               | 2000                     | 5600          | 950                    | 1200 | 82.9                   |
| FC4866180     | 240                       | 330 | 180 | 265 | 2.1              | 2.0               | 1200                     | 3400          | 950                    | 1200 | 47.31                  |
| FC4866220/C4  |                           | 330 | 220 | 270 | 2.1              | 2.1               | 1600                     | 4350          | 950                    | 1200 | 56.2                   |
| FC4868192     |                           | 340 | 192 | 268 | 2.5              | 2.5               | 1330                     | 3450          | 920                    | 1100 | 54.2                   |
| FC4872220/C4  |                           | 360 | 220 | 274 | 2.1              | 2.1               | 1700                     | 4230          | 920                    | 1100 | 79.6                   |
| FC5068230/C4  | 250                       | 340 | 230 | 270 | 3.5              | 3.5               | 1700                     | 4950          | 890                    | 1100 | 61.4                   |
| FC5070220     |                           | 350 | 220 | 278 | 3.5              | 3.5               | 1450                     | 4850          | 890                    | 1100 | 66.7                   |
| FC5072220/C4  |                           | 360 | 220 | 282 | 3.0              | 3.0               | 1810                     | 4700          | 1120                   | 1180 | 75.2                   |
| FC5274200     | 260                       | 370 | 200 | 292 | 3.0              | 3.0               | 1500                     | 4200          | 1080                   | 1350 | 70.5                   |
| FC5274220     |                           | 370 | 220 | 292 | 3.0              | 3.0               | 1820                     | 5200          | 1050                   | 1300 | 77.6                   |
| FC5276280     |                           | 380 | 280 | 294 | 3.0              | 3.0               | 2100                     | 5720          | 1050                   | 1300 | 79.0                   |

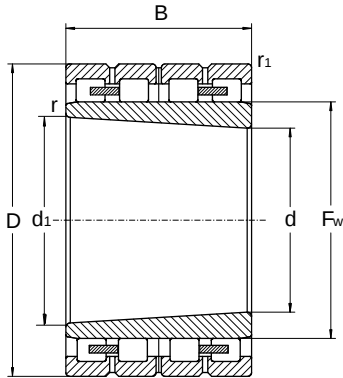
Four-row Cylindrical Roller Bearings  
With cylindrical bore



| KML No.         | Boundary Dimensions<br>mm |      |     |       |                  |                   | Basic load ratings<br>KN |               | Limiting speeds<br>RPM |      | (Refer.)<br>Mass<br>kg |
|-----------------|---------------------------|------|-----|-------|------------------|-------------------|--------------------------|---------------|------------------------|------|------------------------|
|                 | d                         | D    | B   | Fw    | r <sub>min</sub> | r <sub>1min</sub> | Dynamic<br>Cr            | Static<br>Cor | Grease                 | Oil  |                        |
| FC5476230/C4    | 270                       | 380  | 230 | 298   | 3.0              | 3.0               | 1900                     | 5300          | 1040                   | 1250 | 82.1                   |
| FC5476275       |                           | 380  | 275 | 298   | 3.0              | 3.0               | 2330                     | 6800          | 1000                   | 1250 | 80.9                   |
| FC5678220       | 280                       | 390  | 220 | 312   | 3.0              | 3.0               | 1850                     | 5350          | 1000                   | 1250 | 82.4                   |
| FCDP5678275     |                           | 390  | 275 | 308   | 3.0              | 1.1               | 2240                     | 6500          | 1000                   | 1230 | 101                    |
| FCD5684280/C4   |                           | 420  | 280 | 318   | 3.0              | 3.0               | 2450                     | 6450          | 950                    | 1150 | 138                    |
| FC5882240       | 290                       | 410  | 240 | 320   | 4.0              | 4.0               | 2100                     | 5800          | 950                    | 1150 | 98.9                   |
| FC5884300       |                           | 420  | 300 | 327   | 4.0              | 4.0               | 2400                     | 6800          | 920                    | 1130 | 141                    |
| FC6084218       | 300                       | 420  | 218 | 332   | 4.0              | 4.0               | 2000                     | 5700          | 915                    | 1130 | 92.7                   |
| FC6084240       |                           | 420  | 240 | 332   | 4.0              | 4.0               | 2100                     | 6000          | 915                    | 1130 | 103                    |
| FCD6084300      |                           | 420  | 300 | 332   | 4.0              | 4.0               | 2320                     | 6600          | 915                    | 1130 | 130                    |
| FC6490240       | 320                       | 450  | 240 | 355   | 4.0              | 4.0               | 2390                     | 6750          | 840                    | 1050 | 121                    |
| FCD6496350/C4   |                           | 480  | 350 | 364   | 4.0              | 4.0               | 3200                     | 8500          | 825                    | 1020 | 230                    |
| FC6692340       | 330                       | 460  | 340 | 365   | 4.0              | 4.0               | 3300                     | 10200         | 810                    | 1000 | 175                    |
| FC6890250       | 340                       | 450  | 250 | 368   | 4.0              | 4.0               | 1820                     | 5700          | 810                    | 1000 | 106                    |
| FC6892260       |                           | 460  | 260 | 370   | 4.0              | 4.0               | 2300                     | 6150          | 800                    | 980  | 121                    |
| FC6896280       |                           | 480  | 280 | 374   | 4.0              | 4.0               | 3100                     | 8300          | 770                    | 950  | 157                    |
| FCD6896350      |                           | 480  | 350 | 378   | 4.0              | 4.0               | 3500                     | 9800          | 770                    | 950  | 204                    |
| FCDP74104380    | 370                       | 520  | 380 | 409   | 3.0              | 1.5               | 3840                     | 11500         | 700                    | 850  | 252                    |
| FCD76108400     | 380                       | 540  | 400 | 424   | 4.0              | 4.0               | 4700                     | 14200         |                        |      | 301                    |
| FCDP76108400    |                           | 540  | 400 | 422   | 4.0              | 4.0               | 4700                     | 14200         |                        |      | 301                    |
| FCDP80112410    | 400                       | 560  | 410 | 445   | 5.0              | 5.0               | 5200                     | 15000         |                        |      | 329                    |
| FCDP84120440    | 420                       | 600  | 440 | 470   | 5.0              | 5.0               | 5500                     | 17300         |                        |      | 416                    |
| FCDP88124450    | 440                       | 620  | 450 | 487   | 5.0              | 5.0               | 6000                     | 18500         |                        |      | 437                    |
| FCDP88130355    |                           | 650  | 355 | 494   | 5.0              | 5.0               | 5500                     | 13500         |                        |      | 420                    |
| FCDP92130470    | 460                       | 650  | 470 | 509   | 5.0              | 5.0               | 6700                     | 20900         |                        |      | 506                    |
| FCD96136500/P5  | 480                       | 680  | 500 | 532   | 6.0              | 6.0               | 6700                     | 21000         |                        |      | 580                    |
| FCDP96136500    |                           | 680  | 500 | 534   | 6.0              | 6.0               | 7500                     | 21200         |                        |      | 591                    |
| FCDP100144530   | 500                       | 720  | 530 | 568   | 6.0              | 6.0               | 9500                     | 25700         |                        |      | 756                    |
| FCDP106156570   | 530                       | 780  | 570 | 601   | 6.0              | 6.0               | 12000                    | 31250         |                        |      | 974                    |
| FCD112164630/C4 | 560                       | 820  | 630 | 625   | 6.0              | 6.0               | 9250                     | 28000         |                        |      | 1150                   |
| FCDP120164575   | 600                       | 820  | 575 | 660   | 6.0              | 6.0               | 11500                    | 33800         |                        |      | 929                    |
| FCD120174640/P6 |                           | 870  | 640 | 672   | 6.0              | 6.0               | 11550                    | 36300         |                        |      | 1350                   |
| FCDP126180670   | 630                       | 900  | 670 | 698   | 6.0              | 6.0               | 12900                    | 42100         |                        |      | 1420                   |
| FCDP138196715   | 690                       | 980  | 715 | 767.5 | 7.5              | 7.5               | 14300                    | 48000         |                        |      | 1790                   |
| FCDP142200715   | 710                       | 1000 | 715 | 787.5 | 7.5              | 7.5               | 15600                    | 50600         |                        |      | 1840                   |
| FCDP150200670   | 750                       | 1000 | 670 | 813   | 7.5              | 7.5               | 15650                    | 48100         |                        |      | 1500                   |
| FCD160216700    | 800                       | 1080 | 700 | 870   | 7.5              | 7.5               | 16500                    | 55000         |                        |      | 1970                   |
| FCDP170230840   | 850                       | 1150 | 840 | 928   | 7.5              | 7.5               | 22800                    | 70500         |                        |      | 2610                   |
| FCDP180244840   | 900                       | 1220 | 840 | 989   | 7.5              | 7.5               | 23200                    | 74000         |                        |      | 2980                   |

Four-row Cylindrical Roller Bearings

With tapered bore



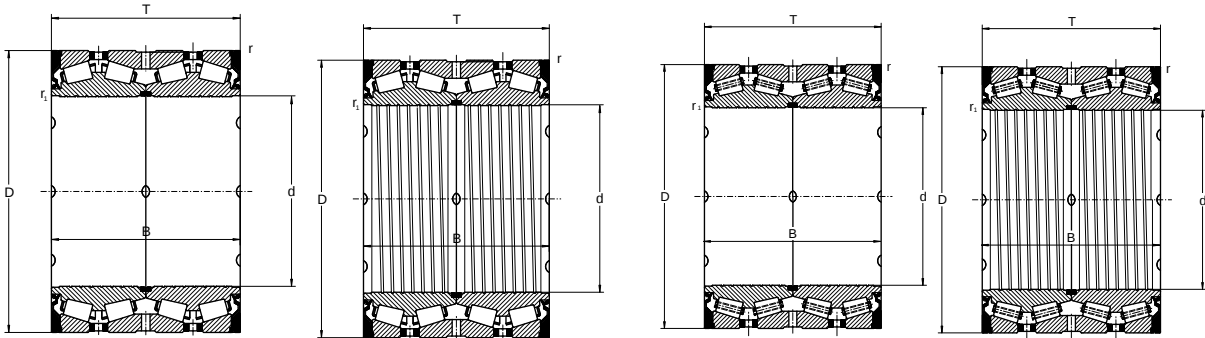
tapered bore

| KML No.   | Boundary Dimensions<br>mm |         |     |     |     |                   | Basic load ratings<br>KN |               | (Refer.)<br>Mass<br>kg |
|-----------|---------------------------|---------|-----|-----|-----|-------------------|--------------------------|---------------|------------------------|
|           | d                         | d1      | D   | B   | Fw  | r <sub>1min</sub> | Dynamic<br>Cr            | Static<br>Cor |                        |
| 319148A/B | 105.0                     | 107.367 | 150 | 71  | 123 | 1.1               | 281                      | 524           | 4.1                    |
| 313900B   | 140.0                     | 152.917 | 210 | 155 | 166 | 1.1               | 792                      | 1560          | 17.0                   |
| 314024C   | 151.5                     | 165.500 | 230 | 168 | 179 | 2.0               | 1020                     | 2100          | 24.0                   |
| 313436    | 160.0                     | 174.583 | 240 | 175 | 189 | 2.0               | 1190                     | 2570          | 24.0                   |
| 313423A   | 170.0                     | 183.330 | 260 | 160 | 200 | 1.1               | 1100                     | 2130          | 29.5                   |
| 314023A   | 181.5                     | 195.500 | 260 | 168 | 209 | 2.0               | 1120                     | 2470          | 27.5                   |
| 313583    | 190.0                     | 206.667 | 280 | 200 | 222 | 2.1               | 1510                     | 3310          | 40.0                   |
| 313422    | 190.0                     | 205.000 | 290 | 180 | 223 | 2.1               | 1450                     | 2820          | 41.0                   |
| 313153    | 192.0                     | 206.167 | 270 | 170 | 222 | 2.1               | 1170                     | 2580          | 28.5                   |
| 313584    | 205.0                     | 223.750 | 310 | 225 | 244 | 3.0               | 1940                     | 4270          | 58.0                   |
| 313438A   | 230.0                     | 248.333 | 330 | 220 | 266 | 2.1               | 2010                     | 4510          | 57.5                   |
| 313439    | 260.0                     | 280.833 | 400 | 250 | 310 | 3.0               | 2750                     | 5700          | 110.0                  |

Sealed Four-row Tapered Roller Bearings

Compared with open-type four-row taper roller bearings,the sealed four-row taper roller bearings have the following considerable advantages:

- a. Longer service life;
- b. Low grease consumption;
- c. Extended maintenance interval;
- d. Preventing grease loss and contamination of the rolling emulsion from the bearing;
- e. Interchangeable with open four-row taper roller bearings thanks to the same boundary dimensions.

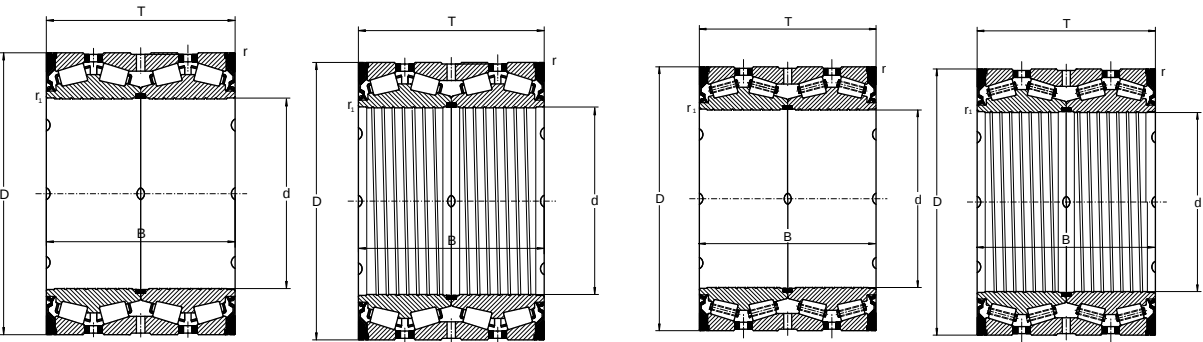


bearing with  
sheet-metal cage

bearing with  
Pin-Type cage

| Designation             |         | Boundary Dimensions<br>mm |         |         |         |                  |                   | Basic load ratings<br>KN |               | (Refer.)<br>Mass<br>kg |
|-------------------------|---------|---------------------------|---------|---------|---------|------------------|-------------------|--------------------------|---------------|------------------------|
|                         |         | d                         | D       | T       | B       | r <sub>min</sub> | r <sub>1min</sub> | Dynamic<br>Cr            | Static<br>Cor |                        |
| SKF                     | FAG     |                           |         |         |         |                  |                   |                          |               |                        |
| 331138 AG               | 573415  | 139.7                     | 200.025 | 160.34  | 157.165 | 3.3              | 0.8               | 880                      | 1460          | 17                     |
| BT4-0010 G/HA1C400VA903 | 574721  | 177.8                     | 247.65  | 192.088 | 192.088 | 3.3              | 1.5               | 1320                     | 2320          | 26.6                   |
| BT4B 329123G/HA1VA901   | 577254  | 203.2                     | 317.5   | 266.7   | 266.7   | 3.3              | 2.5               | 2450                     | 4150          | 76                     |
| BT4B 329090G/HA1EEVA901 | 568677  | 206.375                   | 282.575 | 190.5   | 190.5   | 3.3              | 0.8               | 1320                     | 2450          | 33                     |
| BT4B 328546G/HA1        | 572612A | 220.662                   | 314.325 | 239.712 | 239.712 | 3.3              | 1.5               | 2040                     | 3750          | 57                     |
| BT4B 328668G/HA1        | 573331  | 241.478                   | 349.148 | 228.6   | 228.6   | 3.3              | 1.5               | 2120                     | 3750          | 75                     |
| 330862 B                | 573744  | 244.475                   | 327.025 | 193.675 | 193.675 | 3.3              | 1.5               | 1500                     | 2750          | 47                     |
| BT4B 329071 G/HA1VA901  | 578140  | 254                       | 358.775 | 269.875 | 269.875 | 3.3              | 1.5               | 2700                     | 5200          | 83                     |
| BT4B 328920G/HA1VA901   | 573688  | 266.7                     | 393.7   | 269.878 | 269.878 | 3.3              | 1.5               | 3000                     | 5500          | 115                    |
| BT4B 328468G/HA1        | 565485  | 266.7                     | 355.6   | 228.6   | 230.188 | 2.0              | 1.5               | 2200                     | 4400          | 61                     |
| BT4B 328917G/HA1VA901   | 575940  | 279.4                     | 393.7   | 269.878 | 269.878 | 3.3              | 1.5               | 3000                     | 5500          | 106                    |
| BT4B 328878G/HA1VA901   | 564701A | 285.75                    | 380.898 | 244.475 | 244.475 | 3.3              | 1.0               | 2650                     | 5400          | 74                     |
| BT4B 334126 G/HA1VA901  |         | 300                       | 440     | 279.4   | 280.99  | 4.8              | 3.3               | 3080                     | 6700          | 137                    |
| 331492                  | 579080  | 304.648                   | 438.048 | 279.4   | 280.99  | 3.3              | 3.3               | 3600                     | 6400          | 128                    |
| BT4B 329067G/HA1VA901   | 567935  | 304.8                     | 419.1   | 269.875 | 269.875 | 6.4              | 1.0               | 2860                     | 6950          | 105                    |
| BT4B 328278G/HA1        | 567163  | 304.902                   | 412.648 | 266.7   | 266.7   | 5.3              | 3.3               | 3050                     | 6100          | 98                     |
| BT4B 334023G/HA1VA901   | 572469  | 317.5                     | 422.275 | 269.875 | 269.875 | 3.3              | 1.5               | 3050                     | 6550          | 100                    |
| 331664                  | 567711  | 330.302                   | 438.023 | 254     | 247.65  | 3.3              | 1.5               | 2700                     | 5400          | 97                     |
| BT4B 328817G/HA1VA901   | 564672A | 343.052                   | 457.098 | 254     | 254     | 3.3              | 1.5               | 3050                     | 6100          | 108                    |
| BT4B 328870G/HA1VA901   | 567934  | 355.6                     | 482.6   | 269.875 | 265.112 | 3.3              | 1.5               | 3200                     | 6550          | 137                    |
| 331159 A                | 579769  | 368.3                     | 523.875 | 382.588 | 382.588 | 6.4              | 3.3               | 6000                     | 11800         | 255                    |
| BT4B 334042 G/HA1VA901  | 573580  | 385.762                   | 514.35  | 317.5   | 317.5   | 3.3              | 1.0               | 4500                     | 9500          | 175                    |
| BT4B 328838 G/HA1VA901  | 572499  | 406.4                     | 546.1   | 288.925 | 288.925 | 6.4              | 1.5               | 4000                     | 8000          | 180                    |
| BT4B 329004 G/HA1VA901  | 576482  | 409.575                   | 546.1   | 334.962 | 334.962 | 6.4              | 1.0               | 5000                     | 10800         | 209                    |
| BT4B 334095 G/HA4VA901  |         | 430                       | 575     | 380     | 380     | 5.0              | 2.5               | 5230                     | 14300         | 267                    |
| BT4B 331226/HA1         | 580091  | 431.8                     | 571.5   | 336.55  | 336.55  | 3.3              | 1.5               | 5200                     | 11200         | 242                    |
| BT4B 334055 G/HA1VA902  | 575693  | 440                       | 590     | 480     | 480     | 5.0              | 3.0               | 7800                     | 18300         | 359                    |
| 330608 C                | 575857  | 447.675                   | 635     | 463.55  | 463.55  | 6.4              | 3.3               | 8500                     | 18000         | 470                    |
| BT4B 328846 G/HA1VA901  | 576497  | 450                       | 595     | 398     | 398     | 6.0              | 2.0               | 6800                     | 16000         | 302                    |
| BT4B 332773 E/C725 *    | 574663  | 450                       | 595     | 368     | 368     | 3.0              | 3.0               | 6300                     | 11400         | 378                    |
| BT4B 328827 G/HA4VA901  | 567523  | 457.2                     | 596.9   | 279.4   | 276.225 | 3.3              | 1.5               | 10000                    | 780           | 190                    |

Sealed Four-row Tapered Roller Bearings



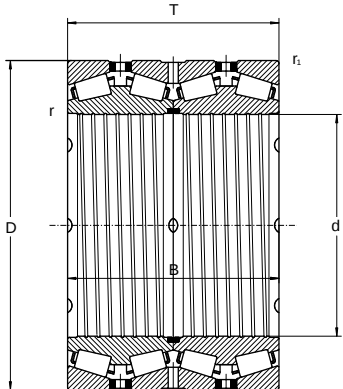
bearing with sheet-metal cage

bearing with Pin-Type cage

| Designation             |         | Boundary Dimensions<br>mm |           |         |         |                  |                   | Basic load ratings<br>KN |               | (Refer.)<br>Mass<br>kg |
|-------------------------|---------|---------------------------|-----------|---------|---------|------------------|-------------------|--------------------------|---------------|------------------------|
| SKF                     | FAG     | d                         | D         | T       | B       | r <sub>min</sub> | r <sub>1min</sub> | Dynamic<br>Cr            | Static<br>Cor |                        |
| BT4B 328727 G/HA1VA901  | 575213  | 460                       | 610       | 360     | 360     | 5.0              | 2.5               | 5850                     | 13200         | 290                    |
| BT4B 334078 G/HA1VA901  |         | 475                       | 600       | 368     | 368     | 6.0              | 2.0               | 14000                    | 1040          | 235                    |
| BT4B 334116 G/HA1VA901  | 572067  | 479.425                   | 679.45    | 495.3   | 495.3   | 6.4              | 3.3               | 9800                     | 20800         | 574                    |
| BT4B 328842 G/HA1VA901  | 564694A | 482.6                     | 615.95    | 330.2   | 330.2   | 6.4              | 1.0               | 5200                     | 12500         | 230                    |
| BT4B 334014 G/HA1VA901  | 572123  | 489.026                   | 634.873   | 320.675 | 320.675 | 3.3              | 1.0               | 5200                     | 11600         | 250                    |
| BT4-8059 G/HA1VA901     | 577346  | 501.65                    | 711.2     | 520.7   | 520.7   | 6.4              | 3.3               | 10600                    | 22400         | 632                    |
| BT4B 334022 G/HA1VA901  | 567899  | 509.948                   | 654.924   | 379     | 377     | 6.4              | 1.5               | 5720                     | 16300         | 311                    |
| 331157 BG               | 575859  | 514.35                    | 673.1     | 422.275 | 422.275 | 6.4              | 3.3               | 7500                     | 18600         | 398                    |
| 331078 A                | 574472  | 519.113                   | 736.6     | 536.575 | 536.575 | 6.4              | 3.3               | 11400                    | 25000         | 732                    |
| 331978                  |         | 540                       | 690       | 400     | 400     | 5.0              | 2.5               | 6950                     | 17000         | 356                    |
| BT4B 334028 G/HA1VA901  |         | 540                       | 690       | 434     | 434     | 5.0              | 2.0               | 21200                    | 1500          | 390                    |
| BT4B 328864 G/HA4VA901  | 575848  | 558.8                     | 736.6     | 322.263 | 322.263 | 6.4              | 3.3               | 5850                     | 12200         | 371                    |
| BT4B 330993 AG/HA1      | 565249  | 558.8                     | 736.6     | 409.575 | 409.575 | 6.4              | 3.3               | 8000                     | 18600         | 460                    |
| BT4B 328888 G/HA1VA901  | 575824  | 585.788                   | 771.525   | 479.425 | 479.425 | 6.4              | 3.3               | 9650                     | 23600         | 605                    |
| BT4B 331300 E/C775 *    | 572242  | 595.313                   | 844.55    | 615.95  | 615.95  | 6.4              | 3.3               | 14600                    | 33500         | 1105                   |
| BT4B 328871 G/HA1VA901  | 572690  | 609.6                     | 787.4     | 361.95  | 361.95  | 6.4              | 3.3               | 7100                     | 16000         | 425                    |
| BT4B 334108 G/HA4VA901  | 573689  | 609.6                     | 813.562   | 479.425 | 479.425 | 6.4              | 3.3               | 10400                    | 24500         | 695                    |
| BT4B 334141 G/HA1VA901  | 580638  | 635                       | 901.7     | 654.05  | 654.05  | 6.4              | 3.3               | 16600                    | 37500         | 1354                   |
| 330824 A                | 572660  | 657.225                   | 933.45    | 676.275 | 676.275 | 6.4              | 3.3               | 17600                    | 39000         | 1530                   |
| BT4B 334015 BG/HA1VA901 | 575037  | 679.45                    | 901.7     | 552.45  | 552.45  | 6.4              | 3.3               | 13400                    | 32500         | 970                    |
| BT4B 334060 G/HA1VA901  |         | 682.625                   | 965.2     | 701.675 | 701.675 | 6.4              | 3.3               | 17200                    | 49000         | 651                    |
| BT4B 328955 G/HA1VA901  | 572930  | 685.8                     | 876.3     | 355.6   | 355.425 | 6.4              | 3.3               | 7210                     | 20000         | 506                    |
| BT4B 334051 G/HA1VA901  |         | 710                       | 900       | 410     | 410     | 6.0              | 3.0               | 9000                     | 20400         | 570                    |
| BT4B 329010 G/HA1VA901  |         | 711.2                     | 914.4     | 317.5   | 317.5   | 6.4              | 2.5               | 6600                     | 17300         | 490                    |
| BT4B 334082 G/HA1VA901  |         | 749.3                     | 990.6     | 605     | 605     | 6.4              | 3.3               | 13200                    | 40500         | 1275                   |
| BT4B 334075 G/HA1VA901  |         | 762                       | 1079.5    | 787.4   | 787.4   | 12.7             | 4.8               | 21200                    | 61000         | 2250                   |
| BT4B 334135 G/HA4VA901  |         | 825.5                     | 1168.4    | 844.55  | 844.55  | 12.7             | 4.8               | 24600                    | 73500         | 2960                   |
| BT4B 334150 G/HA4VA901  |         | 863.6                     | 1,169.987 | 844.55  | 844.55  | 12.7             | 4.8               | 23300                    | 71000         | 2630                   |

Four-row Tapered Roller Bearings

Metric Size

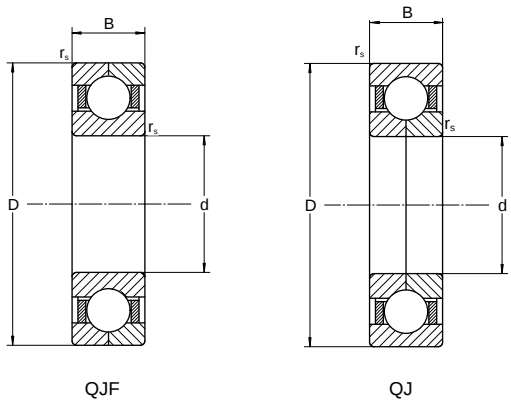


| KML No.  | Boundary Dimensions<br>mm |     |     |                  |                   | Basic load ratings<br>KN |               | Limiting speeds<br>RPM |     | (Refer.)<br>Mass<br>kg |
|----------|---------------------------|-----|-----|------------------|-------------------|--------------------------|---------------|------------------------|-----|------------------------|
|          | d                         | D   | T   | r <sub>min</sub> | r <sub>1min</sub> | Dynamic<br>Cr            | Static<br>Cor | Grease                 | Oil |                        |
| 382930   | 170                       | 260 | 230 | 3                | 2.5               | 860                      | 3100          | 700                    | 850 | 42                     |
| 382034   | 200                       | 310 | 275 | 3                | 2.5               | 1100                     | 4200          | 630                    | 800 | 75                     |
| 382044   | 220                       | 340 | 305 | 4                | 3                 | 2400                     | 5460          | 560                    | 700 | 95.6                   |
| 382048   | 240                       | 360 | 310 | 4                | 3                 | 2500                     | 6400          | 530                    | 630 | 90                     |
| 382052   | 260                       | 400 | 345 | 4                | 4                 | 3250                     | 7550          | 480                    | 560 | 157                    |
| 381156   | 280                       | 460 | 324 | 5                | 4                 | 3100                     | 6100          | 360                    | 450 | 200                    |
| 382060   | 300                       | 460 | 390 | 5                | 4                 | 2600                     | 9600          | 360                    | 530 | 219                    |
| 381160   | 300                       | 500 | 370 | 5                | 4                 | 3500                     | 8200          | 360                    | 430 | 285                    |
| 382064   | 320                       | 480 | 380 | 5                | 4                 | 4580                     | 11500         | 360                    | 450 | 252                    |
| 382968   | 340                       | 460 | 310 | 4                | 3                 | 2950                     | 7700          | 360                    | 450 | 124                    |
| 381068   | 340                       | 520 | 325 | 5                | 4                 | 2800                     | 8600          | 320                    | 400 | 234                    |
| 381072   | 360                       | 540 | 325 | 5                | 4                 | 3100                     | 9200          | 300                    | 380 | 248                    |
| 381176   | 380                       | 620 | 420 | 5                | 4                 | 6560                     | 14900         | 280                    | 340 | 489                    |
| 381080   | 400                       | 600 | 356 | 5                | 4                 | 5220                     | 12500         | 280                    | 340 | 345                    |
| 107784   | 420                       | 700 | 480 | 6                | 5                 | 6300                     | 17000         | 220                    | 480 | 760                    |
| 381088   | 440                       | 650 | 376 | 6                | 5                 | 3800                     | 12200         | 200                    | 280 | 400                    |
| 381992   | 460                       | 620 | 310 | 4                | 3                 | 4020                     | 10800         | 240                    | 300 | 249                    |
| 381092   | 460                       | 680 | 410 | 6                | 5                 | 4600                     | 14000         | 180                    | 240 | 475                    |
| 3810/530 | 530                       | 780 | 450 | 6                | 5                 | 7800                     | 19600         | 190                    | 240 | 710                    |

Inch Size

| KML No.                       | Boundary Dimensions<br>mm |         |         |         |                  |                   | Basic load ratings<br>KN |               | Limiting speeds<br>RPM |     | (Refer.)<br>Mass<br>kg |
|-------------------------------|---------------------------|---------|---------|---------|------------------|-------------------|--------------------------|---------------|------------------------|-----|------------------------|
|                               | d                         | D       | B       | Fw      | r <sub>min</sub> | r <sub>1min</sub> | Dynamic<br>Cr            | Static<br>Cor | Grease                 | Oil |                        |
| M244249DW/M244210-M244210CD   | 220.662                   | 314.325 | 239.712 | 239.712 | 1.5              | 3.3               | 1760                     | 4510          | 600                    | 750 | 60.3                   |
| BT4B328209/HA1                | 266.7                     | 355.6   | 228.6   | 230.188 | 1.6              | 3.2               | 1960                     | 5460          | 500                    | 630 | 62.4                   |
| M255449DW/M255410-M255410CD   | 288.925                   | 406.4   | 298.45  | 298.45  | 3.3              | 3.3               | 3180                     | 8270          | 430                    | 530 | 103                    |
| 511736A                       | 304.902                   | 412.648 | 266.7   | 266.7   | 3.2              | 3.2               | 2900                     | 8040          | 430                    | 500 | 104                    |
| 77867E                        | 343.052                   | 457.098 | 254     | 254     | 1.5              | 3.3               | 2650                     | 7160          | 360                    | 450 | 110                    |
| HM262749D/HM262710-HM262710CD | 346.075                   | 488.95  | 358.775 | 358.775 | 3.3              | 3.3               | 4460                     | 11500         | 340                    | 430 | 210                    |

Four-point Contact Ball Bearings



| KML No. |         | Boundary Dimensions<br>mm |       |     |                    | Basic load ratings<br>KN  |                           | Limiting speeds<br>RPM |      | (Refer.)<br>Mass<br>kg |
|---------|---------|---------------------------|-------|-----|--------------------|---------------------------|---------------------------|------------------------|------|------------------------|
|         |         | d                         | D     | B   | r <sub>s</sub> min | Dynamic<br>C <sub>r</sub> | Static<br>C <sub>or</sub> | Grease                 | Oil  |                        |
| QJ1030  | QJF1030 | 150                       | 225   | 35  | 2.1                | 169                       | 298                       | 1750                   | 2600 | 5.26                   |
| QJ230   | QJFF230 |                           | 270   | 45  | 3.0                | 259                       | 269                       | 1600                   | 2200 | 12                     |
| QJ330   | QJF330  |                           | 320   | 65  | 4.0                | 417                       | 796                       | 1400                   | 2000 | 29.4                   |
| QJ1032  | QJF1032 | 160                       | 240   | 38  | 2.1                | 184                       | 336                       | 1600                   | 2400 | 6.54                   |
| QJ232   | QJF232  |                           | 290   | 48  | 3.0                | 286                       | 533                       | 1400                   | 2000 | 15.2                   |
| QJ1034  | QJF1034 | 170                       | 260   | 42  | 2.1                | 221                       | 409                       | 1500                   | 2200 | 8.06                   |
| QJ234   | QJF234  |                           | 310   | 52  | 4.0                | 352                       | 600                       | 1400                   | 2000 | 18.7                   |
| QJ1036  | QJF1036 | 180                       | 280   | 46  | 2.1                | 246                       | 481                       | 1400                   | 2000 | 10.7                   |
| QJ236   | QJF236  |                           | 320   | 52  | 4.0                | 364                       | 680                       | 1300                   | 1800 | 17.7                   |
| QJ336   | QJF336  |                           | 380   | 75  | 4.0                | 530                       | 1030                      | 1100                   | 1600 | 46.2                   |
| QJ1038  | QJF1038 | 190                       | 290   | 46  | 2.1                | 244                       | 483                       | 1400                   | 2000 | 11.4                   |
| QJ238   | QJF238  |                           | 340   | 55  | 4.0                | 383                       | 796                       | 1200                   | 1700 | 22.6                   |
| QJ1040  | QJF1040 | 200                       | 300   | 51  | 2.1                | 280                       | 506                       | 1300                   | 1800 | 14.7                   |
| QJ240   | QJF240  |                           | 360   | 58  | 4.0                | 395                       | 853                       | 1100                   | 1600 | 27.3                   |
| QJ340   | QJF340  |                           | 420   | 80  | 5.0                | 570                       | 1266                      | 900                    | 1400 | 55.3                   |
| QJ1044  | QJF1044 | 220                       | 340   | 56  | 3.0                | 306                       | 653                       | 1100                   | 1600 | 17.8                   |
| QJ1048  | QJF1048 | 240                       | 360   | 56  | 3.0                | 331                       | 756                       | 1000                   | 1500 | 20.9                   |
| QJ1952  | QJF1952 | 260                       | 360   | 46  | 2.1                | 320                       | 676                       | 900                    | 1400 | 15.5                   |
| QJ1052  | QJF1052 |                           | 400   | 65  | 4.0                | 450                       | 910                       | 800                    | 1300 | 31.5                   |
| QJ1056  | QJF1056 | 280                       | 420   | 65  | 4.0                | 480                       | 1010                      | 850                    | 1350 | 34.4                   |
| QJ1060  | QJF1060 | 300                       | 460   | 74  | 4.0                | 564                       | 1224                      | 750                    | 1150 | 48.2                   |
| QJ1064  | QJF1064 | 320                       | 479.5 | 74  | 4.0                | 587                       | 1050                      | 700                    | 1030 | 70                     |
| QJ1096  | QJF1096 | 480                       | 700   | 100 | 6.0                | 954                       | 2520                      | 560                    | 750  | 135                    |