

圆柱滚子轴承是由轴承内圈和外圈与挡边引导的圆柱滚子带保持架组成的完整单元。圆柱滚子轴承通常以挡边不同来区分，本公司生产的圆柱滚子轴承有N、NU、NJ、NUP、NF型和带止动环的NUP...N、NUP...NR型圆柱滚子轴承。

该类轴承具有高刚度，一般只用来承受径向负荷、载荷容量大。除满装滚子轴承外，均采用高刚性保持架，能够正确的引导滚子平行于轴线。



## 圆柱滚子轴承 Cylindrical Roller Bearing

The cylindrical roller bearing is composed of inner ring and roller guided by shoulder and with cage. The cylindrical roller is generally differentiated in accordance with the different shoulders. The cylindrical roller bearings made by our company include Model N, NU, NJ, NUP, NF and Model NUP...N, NUPN...NF with snap ring.

This kind of bearings has a high rigidity and high load carrying capacity, generally only withstanding the radial load. Except the full complement needle roller bearing, the bearings are equipped with high rigid cage correctly to guide the roller parallel to axis line.

圆柱滚子轴承的各种结构是以挡边的不同来区分的。NU型圆柱滚子轴承，其外圈上有两个挡边和一个无挡边的内圈。N型圆柱滚子轴承，其内圈有两个挡边而外圈无挡边。NU、N型圆柱滚子轴承都是游动轴承，内外圈是可以分离的，便于安装和拆卸。NJ型轴承外圈上有双挡边，内圈上有单挡边；NF型轴承则是内圈上有双挡边，外圈上有单挡边，它们可以承受单向的轴向力。NUP型圆柱滚子轴承作为固定轴承，可以承受交变方向的轴向力，这种轴承外圈有双挡边和一个挡圈。



## 圆柱滚子轴承 Cylindrical Roller Bearing

The structure of cylindrical roller bearing is distinguished in accordance with the different shoulders. Model NU cylindrical roller bearing has the outer ring with two shoulders and one inner ring without shoulder. As for Model N cylindrical roller bearing, the inner ring has two shoulders and the outer ring has no shoulder. Model NU, N cylindrical roller bearings are running bearings. The inner ring and outer ring can be separated conveniently for mounting and dismounting. As for Model NJ cylindrical roller bearing, the outer ring has double shoulders and the inner ring has single shoulder. As for Model NF cylindrical roller bearing, the inner ring has double shoulder and the outer has single shoulder, they can withstand the single-directional axial force. Model NUP cylindrical roller bearing is used as fixing bearing, withstanding the alternate directional axial force. The outer ring of it has double shoulder and one baffle ring.

带止动环圆柱滚子轴承NUP...N、NUP...NR型。外圈有止动槽，内圈有单挡边带平挡圈的圆柱滚子轴承，是NUP型轴承在外圈上加一个止动环槽的变型，可简化轴承在外壳孔内的轴向紧固，外壳孔可做成通孔，从而缩小了部件的轴向尺寸。

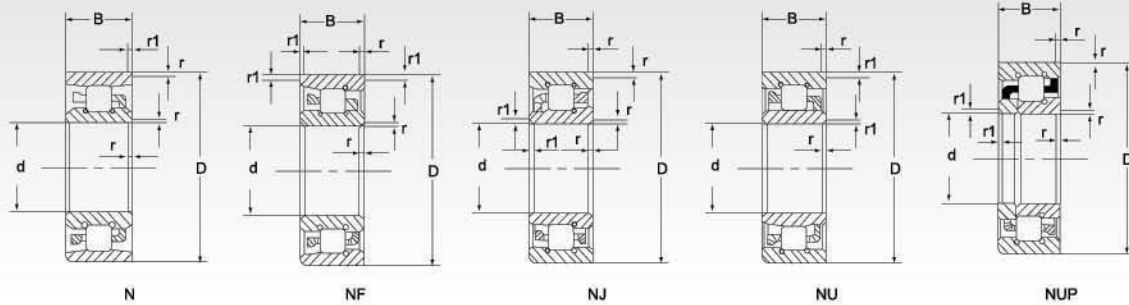


## 带止动环圆柱滚子轴承 Cylindrical Roller Bearings With Snap Ring

Model NUP...N, NUP...NR cylindrical roller bearings with snap ring,

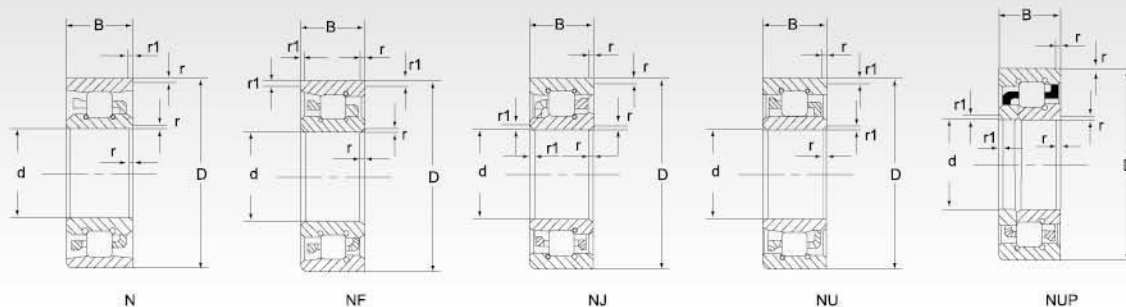
The cylindrical roller bearing with the outer ring with a stop slot in the inner ring and single-shoulder and flat baffle ring in the inner ring is the modified type with Model NUP bearing adding a stop slot. It can simplify the axial fastening of bearing in housing bore. Because of through hole in outer housing, the axial size can be reduced.

## 圆柱滚子轴承 Cylindrical Roller Bearings



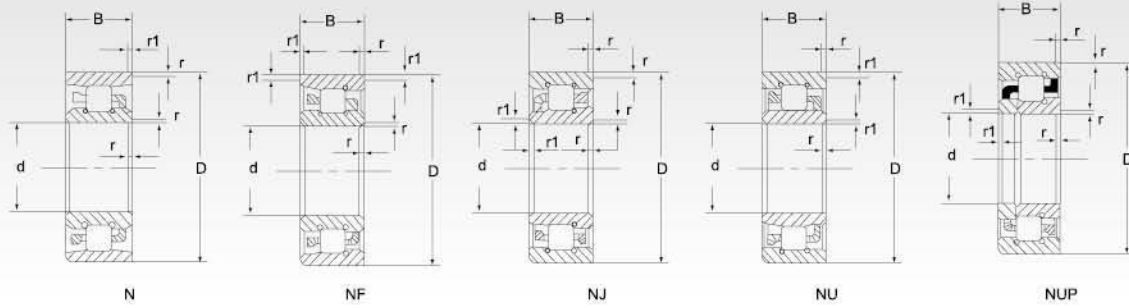
| 轴径<br>Shaft<br>Diameter<br>(mm) | 轴承型号<br>Bearing Designation |                      | 重量<br>Mass<br>近似<br>Approx<br><br>kg | 外形尺寸<br>Boundary Dimensions |    |    | 基本额定负荷<br>Basic Load Rating |             | 极限转速<br>Limiting Speed |            |
|---------------------------------|-----------------------------|----------------------|--------------------------------------|-----------------------------|----|----|-----------------------------|-------------|------------------------|------------|
|                                 | 现型号<br>Current Code         | 原型号<br>Original Code |                                      | d                           | D  | B  | 动<br>Dynamic                | 静<br>Static | 脂润滑<br>Grease          | 油润滑<br>Oil |
|                                 |                             |                      |                                      | mm                          |    |    | N                           |             | rpm                    |            |
| 15                              | NU202EP                     |                      | 0.060                                | 15                          | 35 | 11 | 7960                        | 6640        |                        |            |
|                                 | NJ202ECP                    |                      |                                      | 15                          | 35 | 11 | 7960                        | 6640        |                        |            |
| 17                              | NJ203                       |                      |                                      | 17                          | 40 | 12 | 17300                       | 12900       |                        |            |
|                                 | NJ203ECP                    |                      |                                      | 17                          | 40 | 12 | 17300                       | 12900       |                        |            |
|                                 | NJ203TVP3                   |                      |                                      | 17                          | 40 | 12 | 17300                       | 12900       |                        |            |
|                                 | NJ203ECP(K)                 |                      |                                      | 17                          | 40 | 12 | 17300                       | 12900       |                        |            |
|                                 | NU303ECP                    |                      |                                      | 17                          | 47 | 14 | 22400                       | 18000       |                        |            |
| 20                              | NJ204                       |                      |                                      | 20                          | 47 | 14 | 16600                       | 13900       | 17000                  | 20000      |
|                                 | NJ204ECP                    |                      | 0.135                                | 20                          | 47 | 14 | 16600                       | 13900       | 17000                  | 20000      |
|                                 | NU204E                      |                      | 0.122                                | 20                          | 47 | 14 | 16600                       | 13900       | 17000                  | 20000      |
|                                 | NUP204ECP                   |                      | 0.140                                | 20                          | 47 | 14 | 16600                       | 13900       | 17000                  | 20000      |
|                                 | NJ204EM                     | 42204EH              |                                      | 20                          | 47 | 14 | 16600                       | 13900       | 17000                  | 20000      |
|                                 | NJ204ETVP3                  |                      |                                      | 20                          | 47 | 14 | 16600                       | 13900       | 17000                  | 20000      |
|                                 | NJ2204E                     |                      | 0.158                                | 20                          | 47 | 18 | 30500                       | 28300       | 14000                  | 16000      |
| 25                              | N205E                       | 2205E                | 0.148                                | 25                          | 52 | 15 | 27500                       | 26800       | 11000                  | 14000      |
|                                 | N205EM                      | 2205EH               | 0.155                                | 25                          | 52 | 15 | 27500                       | 26800       | 11000                  | 14000      |
|                                 | NF205E                      | 12205E               | 0.148                                | 25                          | 52 | 15 | 27500                       | 26800       | 11000                  | 14000      |
|                                 | NF205EM                     | 12205EH              | 0.155                                | 25                          | 52 | 15 | 27500                       | 26800       | 11000                  | 14000      |
|                                 | NU205E                      | 32205E               | 0.148                                | 25                          | 52 | 15 | 27500                       | 26800       | 11000                  | 14000      |
|                                 | NU205EM                     | 32205EH              | 0.155                                | 25                          | 52 | 15 | 27500                       | 26800       | 11000                  | 14000      |
|                                 | NJ205ECP                    |                      | 0.148                                | 25                          | 52 | 15 | 27500                       | 26800       | 11000                  | 14000      |
|                                 | NJ205EM                     | 42205EH              | 0.155                                | 25                          | 52 | 15 | 27500                       | 26800       | 11000                  | 14000      |
|                                 | NUP205E                     | 92205E               | 0.148                                | 25                          | 52 | 15 | 27500                       | 26800       | 11000                  | 14000      |
|                                 | NUP205EM                    | 92205EH              | 0.155                                | 25                          | 52 | 15 | 27500                       | 26800       | 11000                  | 14000      |
|                                 | NU205EV                     | 32205EK              | 0.151                                | 25                          | 52 | 15 | 3000                        | 33800       | 9000                   | 11000      |
|                                 | N2205EM                     | 2505EH               | 0.168                                | 25                          | 52 | 18 | 23700                       | 22800       | 10000                  | 14000      |
|                                 | NF2205EM                    | 2505EH               | 0.168                                | 25                          | 52 | 18 | 23700                       | 22800       | 10000                  | 14000      |
|                                 | NJ2205EP                    |                      | 0.168                                | 25                          | 52 | 18 | 23700                       | 22800       | 10000                  | 14000      |
|                                 | NJ2205E                     | 42505E               | 0.168                                | 25                          | 52 | 18 | 23700                       | 22800       | 10000                  | 14000      |
|                                 | NJ2205EJ                    |                      | 0.168                                | 25                          | 52 | 18 | 23700                       | 22800       | 10000                  | 14000      |
|                                 | NF305EM                     | 12305                |                                      | 25                          | 62 | 17 |                             |             |                        |            |
|                                 | NUP305EN                    | 192305E              |                                      | 25                          | 62 | 17 |                             |             |                        |            |
|                                 | NJ2305EM                    | 42605EH              | 0.4                                  | 25                          | 62 | 24 | 42700                       | 40900       | 9000                   | 12000      |
| 30                              | N206E                       | 2206E                | 0.22                                 | 30                          | 62 | 16 | 3600                        | 35600       | 8500                   | 11000      |
|                                 | N206EM                      | 2206EH               | 0.24                                 | 30                          | 62 | 16 | 3600                        | 35600       | 8500                   | 11000      |
|                                 | NF206E                      | 12206E               | 0.22                                 | 30                          | 62 | 16 | 3600                        | 35600       | 8500                   | 11000      |
|                                 | NF206EM                     | 12206EH              | 0.24                                 | 30                          | 62 | 16 | 3600                        | 35600       | 8500                   | 11000      |
|                                 | NU206E                      | 32206E               | 0.22                                 | 30                          | 62 | 16 | 3600                        | 35600       | 8500                   | 11000      |
|                                 | NU206EM                     | 32206EH              | 0.24                                 | 30                          | 62 | 16 | 3600                        | 35600       | 8500                   | 11000      |

## 圆柱滚子轴承 Cylindrical Roller Bearings



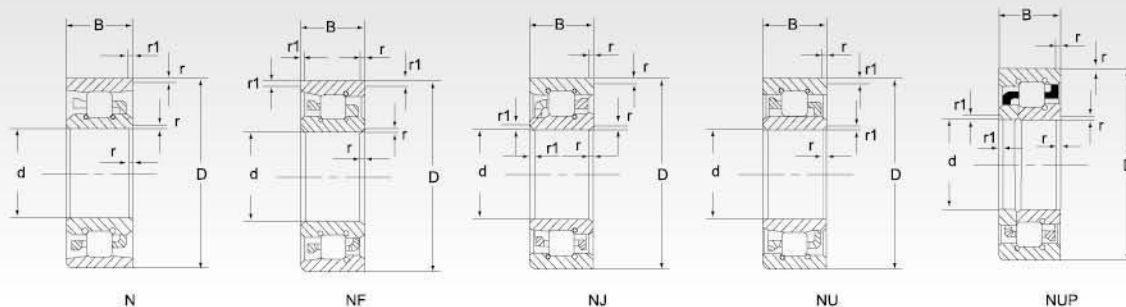
| 轴径<br>Shaft<br>Diameter<br>(mm) | 轴承型号<br>Bearing Designation |                      | 重量<br>Mass<br>近似<br>Approx<br><br>kg | 外形尺寸<br>Boundary Dimensions |     |    | 基本额定负荷<br>Basic Load Rating |             | 极限转速<br>Limiting Speed |            |
|---------------------------------|-----------------------------|----------------------|--------------------------------------|-----------------------------|-----|----|-----------------------------|-------------|------------------------|------------|
|                                 | 现型号<br>Current Code         | 原型号<br>Original Code |                                      | d                           | D   | B  | 动<br>Dynamic                | 静<br>Static | 脂润滑<br>Grease          | 油润滑<br>Oil |
|                                 |                             |                      |                                      | mm                          |     |    | N                           |             | rpm                    |            |
| 40                              | NF2208EM                    | 12508EH              | 0.49                                 | 40                          | 80  | 23 | 58.3                        | 62          | 6000                   | 9000       |
|                                 | NU2208M                     | 32508H               | 0.53                                 | 40                          | 80  | 23 | 58.3                        | 62          | 6000                   | 9000       |
|                                 | NJ2208EM                    | 42508EH              | 0.49                                 | 40                          | 80  | 23 | 58.3                        | 62          | 6000                   | 9000       |
|                                 | NUP2208EM                   | 92508EH              | 0.49                                 | 40                          | 80  | 23 | 58.3                        | 62          | 6000                   | 9000       |
|                                 | NUP2208EV                   | 92508EK              |                                      | 40                          | 80  | 23 | 84.7                        | 95          | 6000                   | 7400       |
|                                 | NU2308EM                    | 32606EH              | 1.1                                  | 40                          | 90  | 33 | 82.2                        | 88          | 6300                   | 8000       |
|                                 | NJ2308EM                    | 42606EH              | 1.1                                  | 40                          | 90  | 33 | 82.2                        | 88          | 6300                   | 8000       |
|                                 | NUP2308EM                   | 92606EH              | 1.1                                  | 40                          | 90  | 33 | 82.2                        | 88          | 6300                   | 8000       |
| 45                              | NJ1009ECM                   |                      |                                      | 45                          | 75  | 16 |                             |             |                        |            |
|                                 | NU209N                      |                      | 0.44                                 | 45                          | 85  | 19 | 58.5                        | 63.8        | 6300                   | 8000       |
|                                 | NF209E                      | 12209E               | 0.52                                 | 45                          | 85  | 19 | 58.8                        | 63.8        | 6300                   | 8000       |
|                                 | NF209EM                     | 12209EH              | 0.53                                 | 45                          | 85  | 19 | 58.5                        | 63.8        | 6300                   | 8000       |
|                                 | NU209E                      | 32209E               | 0.52                                 | 45                          | 85  | 19 | 58.5                        | 63.8        | 6300                   | 8000       |
|                                 | NU209EM                     | 32209EH              | 0.53                                 | 45                          | 85  | 19 | 58.5                        | 63.8        | 6300                   | 8000       |
|                                 | NJ209ECP                    |                      |                                      | 45                          | 85  | 19 | 58.5                        | 63.8        | 6300                   | 8000       |
|                                 | NJ209EM                     | 42209EH              | 0.53                                 | 45                          | 85  | 19 | 58.5                        | 63.8        | 6300                   | 8000       |
|                                 | NU2209ECP                   |                      | 0.567                                | 45                          | 85  | 23 |                             |             |                        |            |
|                                 | NJ2209ECP                   |                      |                                      | 45                          | 85  | 23 |                             |             |                        |            |
|                                 | NU309ECP                    |                      | 0.938                                | 45                          | 100 | 25 |                             |             |                        |            |
|                                 | NU309EN                     |                      | 0.95                                 | 45                          | 100 | 25 |                             |             |                        |            |
|                                 | NF309E                      | 12309E               | 0.95                                 | 45                          | 100 | 45 | 93                          | 98          | 5600                   | 7000       |
|                                 | NF309EM                     | 12309EH              | 0.98                                 | 45                          | 100 | 45 | 93                          | 98          | 5600                   | 7000       |
|                                 | NU309E                      | 32309E               | 0.95                                 | 45                          | 100 | 45 | 93                          | 98          | 5600                   | 7000       |
|                                 | NU309EM                     | 32309EH              | 0.98                                 | 45                          | 100 | 45 | 93                          | 98          | 5600                   | 7000       |
|                                 | NJ309E                      | 42309E               | 0.95                                 | 45                          | 100 | 45 | 93                          | 98          | 5600                   | 7000       |
|                                 | NJ309EM                     | 42309EH              | 0.98                                 | 45                          | 100 | 45 | 93                          | 98          | 5600                   | 7000       |
|                                 | NUP309E                     | 92309E               | 0.95                                 | 45                          | 100 | 45 | 93                          | 98          | 5600                   | 7000       |
|                                 | NUP309EM                    | 92309EH              | 0.98                                 | 45                          | 100 | 45 | 93                          | 98          | 5600                   | 7000       |
|                                 | NUP309EN                    | 192309E              | 0.95                                 | 45                          | 100 | 45 | 93                          | 98          | 5600                   | 7000       |
|                                 | NUP309ENV                   | 192309EK             | 0.97                                 | 45                          | 100 | 45 | 104                         | 121         | 5000                   | 6100       |
|                                 | NJ309EV                     | 42309EK              | 0.97                                 | 45                          | 100 | 45 | 104                         | 121         | 5000                   | 6100       |
|                                 | N2209EM                     | 2509EH               | 0.54                                 | 45                          | 85  | 23 | 61.4                        | 67.8        | 5300                   | 8000       |
|                                 | NF2209EM                    | 12509EH              | 0.54                                 | 45                          | 85  | 23 | 61.4                        | 67.8        | 5300                   | 8000       |
|                                 | NU2209EM                    | 32509EH              | 0.54                                 | 45                          | 85  | 23 | 61.4                        | 67.8        | 5300                   | 8000       |
|                                 | NJ2209EM                    | 42509EH              | 0.54                                 | 45                          | 85  | 23 | 61.4                        | 67.8        | 5300                   | 8000       |
|                                 | NUP2209EM                   | 92509EH              | 0.54                                 | 45                          | 85  | 23 | 61.4                        | 67.8        | 5300                   | 8000       |
|                                 | N2309EM                     | 2609EH               | 0.51                                 | 45                          | 100 | 36 | 106                         | 113         | 5600                   | 7000       |
|                                 | NU2309EM                    | 32609EH              | 1.51                                 | 45                          | 100 | 36 | 106                         | 113         | 5600                   | 7000       |
|                                 | NJ2309EM                    | 42609EH              | 1.51                                 | 45                          | 100 | 36 | 106                         | 113         | 5600                   | 7000       |

## 圆柱滚子轴承 Cylindrical Roller Bearings

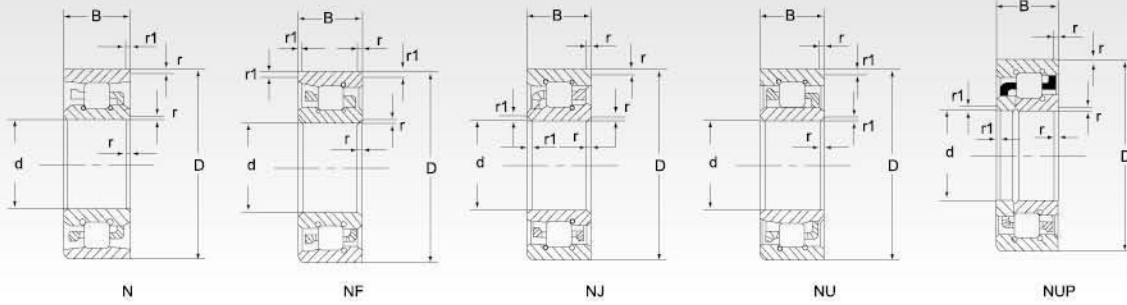


| 轴径<br>Shaft<br>Diameter<br>(mm) | 轴承型号<br>Bearing Designation |                      | 重量<br>Mass<br>近似<br>Approx | 外形尺寸<br>Boundary Dimensions |     |     | 基本额定负荷<br>Basic Load Rating |             | 极限转速<br>Limiting Speed |            |
|---------------------------------|-----------------------------|----------------------|----------------------------|-----------------------------|-----|-----|-----------------------------|-------------|------------------------|------------|
|                                 | 现型号<br>Current Code         | 原型号<br>Original Code |                            | d                           | D   | B   | 动<br>Dynamic                | 静<br>Static | 脂润滑<br>Grease          | 油润滑<br>Oil |
|                                 |                             |                      |                            | mm                          |     |     | N                           |             | rpm                    |            |
| 45                              | NUP2309EM                   | 92609EH              | 1.51                       | 45                          | 100 | 36  | 106                         | 113         | 5600                   | 7000       |
| 50                              | N210E                       | 2210E                | 0.56                       | 50                          | 90  | 20  | 61.2                        | 69.2        | 6000                   | 7500       |
|                                 | N210EM                      | 2210EH               | 0.58                       | 50                          | 90  | 20  | 61.2                        | 69.2        | 6000                   | 7500       |
|                                 | NF210E                      | 12210E               | 0.56                       | 50                          | 90  | 20  | 61.2                        | 69.2        | 6000                   | 7500       |
|                                 | NF210EM                     | 12210EH              | 0.58                       | 50                          | 90  | 20  | 61.2                        | 69.2        | 6000                   | 7500       |
|                                 | NU210E                      | 32210E               | 0.56                       | 50                          | 90  | 20  | 61.2                        | 69.2        | 6000                   | 7500       |
|                                 | NU210EM                     | 32210EH              | 0.58                       | 50                          | 90  | 20  | 61.2                        | 69.2        | 6000                   | 7500       |
|                                 | NJ210E/C3                   |                      | 1.53                       | 50                          | 90  | 20  |                             |             |                        |            |
|                                 | NJ210ECP                    |                      |                            | 50                          | 90  | 20  |                             |             |                        |            |
|                                 | NUP210E                     | 92210E               | 0.56                       | 50                          | 90  | 20  | 61.2                        | 69.2        | 6000                   | 7500       |
|                                 | NUP210EM                    | 92210EH              | 0.58                       | 50                          | 90  | 20  | 61.2                        | 69.2        | 6000                   | 7500       |
|                                 | NUP210EN                    | 192210E              | 0.56                       | 50                          | 90  | 20  | 61.2                        | 69.2        | 6000                   | 7500       |
|                                 | N310E                       | 2310E                | 1.2                        | 50                          | 110 | 27  | 105                         | 112         | 5300                   | 6700       |
|                                 | N310EM                      | 2310EH               | 1.31                       | 50                          | 110 | 27  | 105                         | 112         | 5300                   | 6700       |
|                                 | NF310E                      | 12310E               | 1.2                        | 50                          | 110 | 27  | 105                         | 112         | 5300                   | 6700       |
|                                 | NF310EM                     | 12310EH              | 1.31                       | 50                          | 110 | 27  | 105                         | 112         | 5300                   | 6700       |
|                                 | NU310E                      | 32310E               | 1.2                        | 50                          | 110 | 27  | 105                         | 112         | 5300                   | 6700       |
|                                 | NU310EM                     | 32310EH              | 1.31                       | 50                          | 110 | 27  | 105                         | 112         | 5300                   | 6700       |
|                                 | NJ310E                      | 42310E               | 1.2                        | 50                          | 110 | 27  | 105                         | 112         | 5300                   | 6700       |
|                                 | NJ310EM                     | 42310EH              | 1.31                       | 50                          | 110 | 27  | 105                         | 112         | 5300                   | 6700       |
|                                 | NUP210E                     | 92310E               | 1.2                        | 50                          | 110 | 27  | 105                         | 112         | 5300                   | 6700       |
|                                 | NUP210EM                    | 92310EH              | 1.31                       | 50                          | 110 | 27  | 105                         | 112         | 5300                   | 6700       |
|                                 | NJ310EV                     | 42310EK              | 1.21                       | 50                          | 110 | 27  | 128                         | 144         | 5000                   | 6000       |
|                                 | NUP310EN                    | 192310E              | 1.2                        | 50                          | 110 | 27  | 105                         | 112         | 5300                   | 6700       |
|                                 | NUP310ENV                   | 192310EK             | 1.21                       | 50                          | 110 | 27  | 128                         | 144         | 5000                   | 6000       |
|                                 | N2210EM                     | 2510EH               | 0.65                       | 50                          | 90  | 23  | 64.2                        | 73.6        | 5000                   | 7500       |
|                                 | NF2210EM                    | 12510EH              | 0.65                       | 50                          | 90  | 23  | 64.2                        | 73.6        | 5000                   | 7500       |
|                                 | NU2210EM                    | 32510EH              | 0.65                       | 50                          | 90  | 23  | 64.2                        | 73.6        | 5000                   | 7500       |
|                                 | NJ2210EM                    | 42510EH              | 0.65                       | 50                          | 90  | 23  | 64.2                        | 73.6        | 5000                   | 7500       |
|                                 | NUP2210EM                   | 92510EH              | 0.65                       | 50                          | 90  | 23  | 64.2                        | 73.6        | 5000                   | 7500       |
|                                 | N2301 EM                    | 2610EH               | 2.01                       | 50                          | 110 | 40  | 128                         | 142         | 5300                   | 6700       |
|                                 | NU2310EM                    | 32610EH              | 2.01                       | 50                          | 110 | 40  | 128                         | 142         | 5300                   | 6700       |
|                                 | NJ2310EM                    | 42610EH              | 2.01                       | 50                          | 110 | 40  | 128                         | 142         | 5300                   | 6700       |
|                                 | NUP211ECP                   |                      |                            |                             | 50  | 100 | 21                          |             |                        |            |
| 55                              | NJ1011ECP                   |                      |                            | 55                          | 90  | 18  |                             |             |                        |            |
|                                 | N211E                       | 2211E                | 0.62                       | 55                          | 100 | 21  | 80.2                        | 95.5        | 5300                   | 6700       |
|                                 | NF211E                      | 12211E               | 0.62                       | 55                          | 100 | 21  | 80.2                        | 95.5        | 5300                   | 6700       |
|                                 | NF211EM                     | 12211EH              | 0.63                       | 55                          | 100 | 21  | 80.2                        | 95.5        | 5300                   | 6700       |
|                                 | NU21E                       | 32211E               | 0.62                       | 55                          | 100 | 21  | 80.2                        | 95.5        | 5300                   | 6700       |

## 圆柱滚子轴承 Cylindrical Roller Bearings

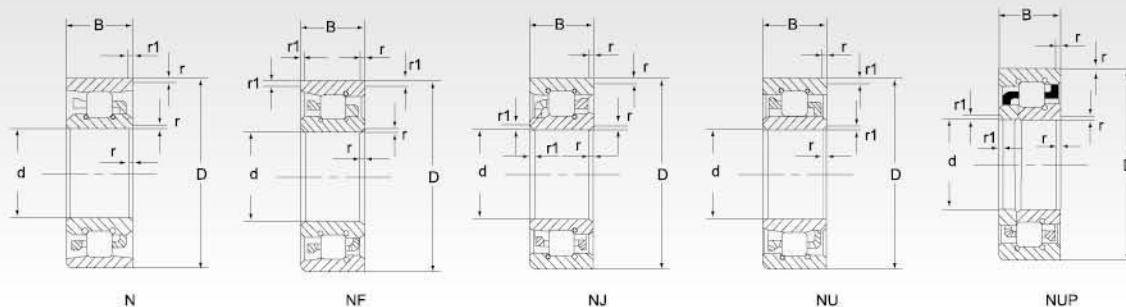


| 轴径<br>Shaft<br>Diameter<br>(mm) | 轴承型号<br>Bearing Designation |                      | 重量<br>Mass<br>近似<br>Approx | 外形尺寸<br>Boundary Dimensions |     |    | 基本额定负荷<br>Basic Load Rating |             | 极限转速<br>Limiting Speed |            |
|---------------------------------|-----------------------------|----------------------|----------------------------|-----------------------------|-----|----|-----------------------------|-------------|------------------------|------------|
|                                 | 现型号<br>Current Code         | 原型号<br>Original Code |                            | d                           | D   | B  | 动<br>Dynamic                | 静<br>Static | 脂润滑<br>Grease          | 油润滑<br>Oil |
|                                 |                             |                      |                            |                             |     |    |                             |             |                        |            |
| 55                              | NU211EM                     | 32211EH              | 0.63                       | 55                          | 100 | 21 | 80.2                        | 95.5        | 5300                   | 6700       |
|                                 | NJ211 E                     | 42211E               | 0.62                       | 55                          | 100 | 21 | 80.2                        | 95.5        | 5300                   | 6700       |
|                                 | NJ211 EM                    | 42211EH              | 0.63                       | 55                          | 100 | 21 | 80.2                        | 95.5        | 5300                   | 6700       |
|                                 | NUP211E                     | 92211E               | 0.62                       | 55                          | 100 | 21 | 80.2                        | 95.5        | 5300                   | 6700       |
|                                 | NUP211EM                    | 92211EH              | 0.63                       | 55                          | 100 | 21 | 80.2                        | 95.5        | 5300                   | 6700       |
|                                 | N311E                       | 2311E                | 1.61                       | 55                          | 120 | 29 | 128                         | 138         | 4800                   | 6700       |
|                                 | N311EM                      | 2311EH               | 1.7                        | 55                          | 120 | 29 | 128                         | 138         | 4800                   | 6000       |
|                                 | NF311E                      | 12311E               | 1.61                       | 55                          | 120 | 29 | 128                         | 138         | 4800                   | 6000       |
|                                 | NF311EM                     | 12311EH              | 1.7                        | 55                          | 120 | 29 | 128                         | 138         | 4800                   | 6000       |
|                                 | NU311E                      | 32311E               | 1.61                       | 55                          | 120 | 29 | 128                         | 138         | 4800                   | 6000       |
|                                 | NU311EM                     | 32311EH              | 1.7                        | 55                          | 120 | 29 | 128                         | 138         | 4800                   | 6000       |
|                                 | NJ311ECP                    |                      | 1.725                      | 55                          | 120 | 29 | 128                         | 138         | 4800                   | 6000       |
|                                 | NJ311 E                     | 42311E               | 1.61                       | 55                          | 120 | 29 | 128                         | 138         | 4800                   | 6000       |
|                                 | NJ311EM                     | 42311EH              | 1.7                        | 55                          | 120 | 29 | 128                         | 138         | 4800                   | 6000       |
|                                 | NUP311E                     | 92311E               | 1.61                       | 55                          | 120 | 29 | 128                         | 138         | 4800                   | 6000       |
|                                 | NUP311EM                    | 92311EH              | 1.7                        | 55                          | 120 | 29 | 128                         | 138         | 4800                   | 6000       |
|                                 | NUP311EN                    | 192311E              | 1.61                       | 55                          | 120 | 29 | 128                         | 138         | 4800                   | 6000       |
|                                 | NUP311ENV                   | 192311EV             | 1.69                       | 55                          | 120 | 29 | 163                         | 175         | 4300                   | 5000       |
|                                 | NUP311ENM                   | 192311EH             | 1.7                        | 55                          | 120 | 29 | 128                         | 138         | 4800                   | 6000       |
|                                 | N2211 EM                    | 2511EH               | 0.77                       | 55                          | 100 | 25 | 75.3                        | 87.2        | 4300                   | 6700       |
|                                 | NF2211EM                    | 12511EH              | 0.77                       | 55                          | 100 | 25 | 75.3                        | 87.2        | 4300                   | 6700       |
|                                 | NU2211EM                    | 32511EH              | 0.77                       | 55                          | 100 | 25 | 75.3                        | 87.2        | 4300                   | 6700       |
|                                 | NJ2211                      |                      | 0.91                       | 55                          | 100 | 25 |                             |             |                        |            |
|                                 | NU2211M                     |                      | 0.916                      | 55                          | 100 | 25 |                             |             |                        |            |
|                                 | NU2311EM                    | 32611EH              | 2.8                        | 55                          | 120 | 43 | 148                         | 162         | 4800                   | 6000       |
|                                 | NJ2311EM                    | 42611EH              | 2.8                        | 55                          | 120 | 43 | 148                         | 162         | 4800                   | 6000       |
|                                 | NUP2311EM                   | 92611EH              | 2.8                        | 55                          | 120 | 43 | 148                         | 162         | 4800                   | 6000       |
| 60                              | N212E                       | 2212E                | 0.84                       | 60                          | 110 | 22 | 89.8                        | 102         | 5000                   | 6300       |
|                                 | N212EM                      | 2212EH               | 0.95                       | 60                          | 110 | 22 | 89.8                        | 102         | 5000                   | 6300       |
|                                 | NF212E                      | 12212E               | 0.84                       | 60                          | 110 | 22 | 89.8                        | 102         | 5000                   | 6300       |
|                                 | NF212EM                     | 12212EH              | 0.95                       | 60                          | 110 | 22 | 89.8                        | 102         | 5000                   | 6300       |
|                                 | NU212E                      | 32212E               | 0.84                       | 60                          | 110 | 22 | 89.8                        | 102         | 5000                   | 6300       |
|                                 | NU212EM                     | 32212EH              | 0.95                       | 60                          | 110 | 22 | 89.8                        | 102         | 5000                   | 6300       |
|                                 | NJ212E                      | 42212E               | 0.84                       | 60                          | 110 | 22 | 89.8                        | 102         | 5000                   | 6300       |
|                                 | NJ212EM                     | 42212EH              | 0.95                       | 60                          | 110 | 22 | 89.8                        | 102         | 5000                   | 6300       |
|                                 | NUP212E                     | 92212E               | 0.84                       | 60                          | 110 | 22 | 89.8                        | 102         | 5000                   | 6300       |
|                                 | NUP212EM                    | 92212EH              | 0.95                       | 60                          | 110 | 22 | 89.8                        | 102         | 5000                   | 6300       |
|                                 | N312E                       | 2312E                | 1.94                       | 60                          | 130 | 31 | 142                         | 155         | 4500                   | 5600       |
|                                 | N312EM                      | 2312EH               | 2.07                       | 60                          | 130 | 31 | 142                         | 155         | 4500                   | 5600       |



| 轴径<br>Shaft<br>Diameter<br>(mm) | 轴承型号<br>Bearing Designation |                      | 重量<br>Mass<br>近似<br>Approx | 外形尺寸<br>Boundary Dimensions |     |    | 基本额定负荷<br>Basic Load Rating |             | 极限转速<br>Limiting Speed |            |
|---------------------------------|-----------------------------|----------------------|----------------------------|-----------------------------|-----|----|-----------------------------|-------------|------------------------|------------|
|                                 | 现型号<br>Current Code         | 原型号<br>Original Code |                            | d                           | D   | B  | 动<br>Dynamic                | 静<br>Static | 脂润滑<br>Grease          | 油润滑<br>Oil |
|                                 |                             |                      |                            | kg                          | mm  |    |                             | N           |                        | rpm        |
| 60                              | NF312E                      | 12312E               | 1.94                       | 60                          | 130 | 31 | 142                         | 155         | 4500                   | 5600       |
|                                 | NF312EM                     | 12312EH              | 2.07                       | 60                          | 130 | 31 | 142                         | 155         | 4500                   | 5600       |
|                                 | NU312E                      | 32312E               | 1.94                       | 60                          | 130 | 31 | 142                         | 155         | 4500                   | 5600       |
|                                 | NU312EM                     | 32312EH              | 2.07                       | 60                          | 130 | 31 | 142                         | 155         | 4500                   | 5600       |
|                                 | NJ312ECP                    |                      | 1.98                       | 60                          | 130 | 31 | 142                         | 155         | 4500                   | 5600       |
|                                 | NJ312EM                     | 42312EH              | 2.07                       | 60                          | 130 | 31 | 142                         | 155         | 4500                   | 5600       |
|                                 | NUP312E                     | 92312E               | 1.94                       | 60                          | 130 | 31 | 142                         | 155         | 4500                   | 5600       |
|                                 | NUP312EM                    | 92312EH              | 2.07                       | 60                          | 130 | 31 | 142                         | 155         | 4500                   | 5600       |
|                                 | NUP312EV                    | 92312EK              | 1.96                       | 60                          | 130 | 31 | 185                         | 195         | 4000                   | 4700       |
|                                 | N2212EM                     | 2512EH               | 1.09                       | 60                          | 110 | 28 | 101                         | 123         | 4000                   | 6300       |
|                                 | NF2212EM                    | 12512EH              | 1.09                       | 60                          | 110 | 28 | 101                         | 123         | 4000                   | 6300       |
|                                 | NU2212EM                    | 32512EH              | 1.09                       | 60                          | 110 | 28 | 101                         | 123         | 4000                   | 6300       |
|                                 | NJ2212EM                    | 42512EH              | 1.09                       | 60                          | 110 | 28 | 101                         | 123         | 4000                   | 6300       |
|                                 | NUP2212EM                   | 92512EH              | 1.09                       | 60                          | 110 | 28 | 101                         | 123         | 4000                   | 6300       |
|                                 | N2312EM                     | 2612EH               | 3.38                       | 60                          | 130 | 46 | 168                         | 188         | 4500                   | 5600       |
|                                 | NU2312EM                    | 32612EH              | 3.38                       | 60                          | 130 | 46 | 168                         | 188         | 4500                   | 5600       |
|                                 | NJ2312EM                    | 42612EH              | 3.38                       | 60                          | 130 | 46 | 168                         | 188         | 4500                   | 5600       |
| 65                              | N313E                       | 2312E                | 2.42                       | 65                          | 140 | 33 | 170                         | 188         | 4000                   | 5000       |
|                                 | N313EM                      | 2313EH               | 2.58                       | 65                          | 140 | 33 | 170                         | 188         | 4000                   | 5000       |
|                                 | NF313E                      | 12313E               | 2.42                       | 65                          | 140 | 33 | 170                         | 188         | 4000                   | 5000       |
|                                 | NF313EM                     | 12313EH              | 2.58                       | 65                          | 140 | 33 | 170                         | 188         | 4000                   | 5000       |
|                                 | NU131E                      | 32313E               | 2.42                       | 65                          | 140 | 33 | 170                         | 188         | 4000                   | 5000       |
|                                 | NU3131EM                    | 32313EH              | 2.58                       | 65                          | 140 | 33 | 170                         | 188         | 4000                   | 5000       |
|                                 | NJ313E                      | 42313E               | 2.42                       | 65                          | 140 | 33 | 170                         | 188         | 4000                   | 5000       |
|                                 | NJ313EM                     | 42313EH              | 2.58                       | 65                          | 140 | 33 | 170                         | 188         | 4000                   | 5000       |
|                                 | NUP313E                     | 92313E               | 2.42                       | 65                          | 140 | 33 | 170                         | 188         | 4000                   | 5000       |
|                                 | NUP313EM                    | 92313EH              | 2.58                       | 65                          | 140 | 33 | 170                         | 188         | 4000                   | 5000       |
|                                 | NUP131EV                    | 92313EK              | 2.51                       | 65                          | 140 | 33 | 210                         | 240         | 3700                   | 4200       |
| 70                              | N314E                       | 2314E                | 2.9                        | 70                          | 150 | 35 | 195                         | 220         | 3800                   | 4800       |
|                                 | N314EM                      | 2314EH               | 3.04                       | 70                          | 150 | 35 | 195                         | 220         | 3800                   | 4800       |
|                                 | NF314E                      | 12314E               | 2.9                        | 70                          | 150 | 35 | 195                         | 220         | 3800                   | 4800       |
|                                 | NF314EM                     | 12314EH              | 3.04                       | 70                          | 150 | 35 | 195                         | 220         | 3800                   | 4800       |
|                                 | NU314E                      | 32314E               | 2.9                        | 70                          | 150 | 35 | 195                         | 220         | 3800                   | 4800       |
|                                 | NU314EM                     | 32314EH              | 3.04                       | 70                          | 150 | 35 | 195                         | 220         | 3800                   | 4800       |
|                                 | NJ314E                      | 42314E               | 2.9                        | 70                          | 150 | 35 | 195                         | 220         | 3800                   | 4800       |
|                                 | NJ314EM                     | 42314EH              | 3.04                       | 70                          | 150 | 35 | 195                         | 220         | 3800                   | 4800       |
|                                 | NUP314E                     | 92314E               | 2.9                        | 70                          | 150 | 35 | 195                         | 220         | 3800                   | 4800       |
|                                 | NUP314EM                    | 92314EH              | 3.04                       | 70                          | 150 | 35 | 195                         | 220         | 3800                   | 4800       |
|                                 | NUP314ENM                   | 192314EH             | 3.04                       | 70                          | 150 | 35 | 195                         | 220         | 3800                   | 4800       |

## 圆柱滚子轴承 Cylindrical Roller Bearings



| 轴径<br>Shaft<br>Diameter<br>(mm) | 轴承型号<br>Bearing Designation |                      | 重量<br>Mass<br>近似<br>Approx | 外形尺寸<br>Boundary Dimensions |     |     | 基本额定负荷<br>Basic Load Rating |             | 极限转速<br>Limiting Speed |            |
|---------------------------------|-----------------------------|----------------------|----------------------------|-----------------------------|-----|-----|-----------------------------|-------------|------------------------|------------|
|                                 | 现型号<br>Current Code         | 原型号<br>Original Code |                            | d                           | D   | B   | 动<br>Dynamic                | 静<br>Static | 脂润滑<br>Grease          | 油润滑<br>Oil |
|                                 |                             |                      | kg                         | mm                          |     |     | N                           |             | rpm                    |            |
| 75                              | N315E                       | 2315E                | 3.59                       | 75                          | 160 | 37  | 228                         | 260         | 3600                   | 4500       |
|                                 | N315EM                      | 2315EH               | 3.88                       | 75                          | 160 | 37  | 228                         | 260         | 3600                   | 4500       |
|                                 | NF315E                      | 12315E               | 3.59                       | 75                          | 160 | 37  | 228                         | 260         | 3600                   | 4500       |
|                                 | NF315EM                     | 12315EH              | 3.88                       | 75                          | 160 | 37  | 228                         | 260         | 3600                   | 4500       |
|                                 | NU315E                      | 32315E               | 3.59                       | 75                          | 160 | 37  | 228                         | 260         | 3600                   | 4500       |
|                                 | NU315EM                     | 32315EH              | 3.88                       | 75                          | 160 | 37  | 228                         | 260         | 3600                   | 4500       |
|                                 | NJ315E                      | 42315E               | 3.59                       | 75                          | 160 | 37  | 228                         | 260         | 3600                   | 4500       |
|                                 | NJ315EM                     | 42315EH              | 3.88                       | 75                          | 160 | 37  | 228                         | 260         | 3600                   | 4500       |
|                                 | NUP315E                     | 92315E               | 3.59                       | 75                          | 160 | 37  | 228                         | 260         | 3600                   | 4500       |
|                                 | NUP315EM                    | 92315EH              | 3.88                       | 75                          | 160 | 37  | 228                         | 260         | 3600                   | 4500       |
| NUP315ENM                       | 192315EH                    | 3.84                 | 75                         | 160                         | 37  | 228 | 260                         | 3100        | 3700                   |            |
| 80                              | NU1016M                     | 32116H               | 1.21                       | 80                          | 125 | 22  | 72.5                        | 90.5        | 5700                   | 6700       |
|                                 | NJ216EM                     | 42216                | 1.67                       | 80                          | 140 | 26  | 111                         | 130         | 4800                   | 5700       |
|                                 | NUP216E                     | 92216E               | 1.58                       | 80                          | 140 | 26  | 139                         | 167         | 4400                   | 5100       |
|                                 | N216                        | 2216                 | 1.72                       | 80                          | 140 | 26  | 111                         | 130         | 4800                   | 5700       |
| 85                              | N217                        | 2217                 | 2.16                       | 85                          | 150 | 28  | 126                         | 149         | 4500                   | 5300       |
|                                 | NU217                       | 32217                | 2                          | 85                          | 150 | 28  | 126                         | 149         | 4500                   | 5300       |
|                                 | NJ217                       | 42217                | 2                          | 85                          | 150 | 28  | 126                         | 149         | 4500                   | 5300       |
|                                 | NU217E                      | 32217E               | 2.08                       | 85                          | 150 | 28  | 167                         | 199         | 4100                   | 4800       |
| 90                              | NU218                       | 32218                | 2.44                       | 90                          | 160 | 30  | 152                         | 178         | 4300                   | 5000       |
|                                 | NJ218                       | 42218                | 2.44                       | 90                          | 160 | 30  | 152                         | 178         | 4300                   | 5000       |
|                                 | NJ218E                      | 42218E               | 2.54                       | 90                          | 160 | 30  | 182                         | 217         | 3900                   | 4600       |
|                                 | NUP218M                     | 92218H               | 2.5                        | 90                          | 160 | 30  | 182                         | 217         | 4300                   | 5000       |
|                                 | NJ218EUP(K)                 |                      | 2.4                        | 90                          | 160 | 30  |                             |             |                        |            |
|                                 | NJ218EC(K)                  |                      | 2.43                       | 90                          | 160 | 30  |                             |             |                        |            |