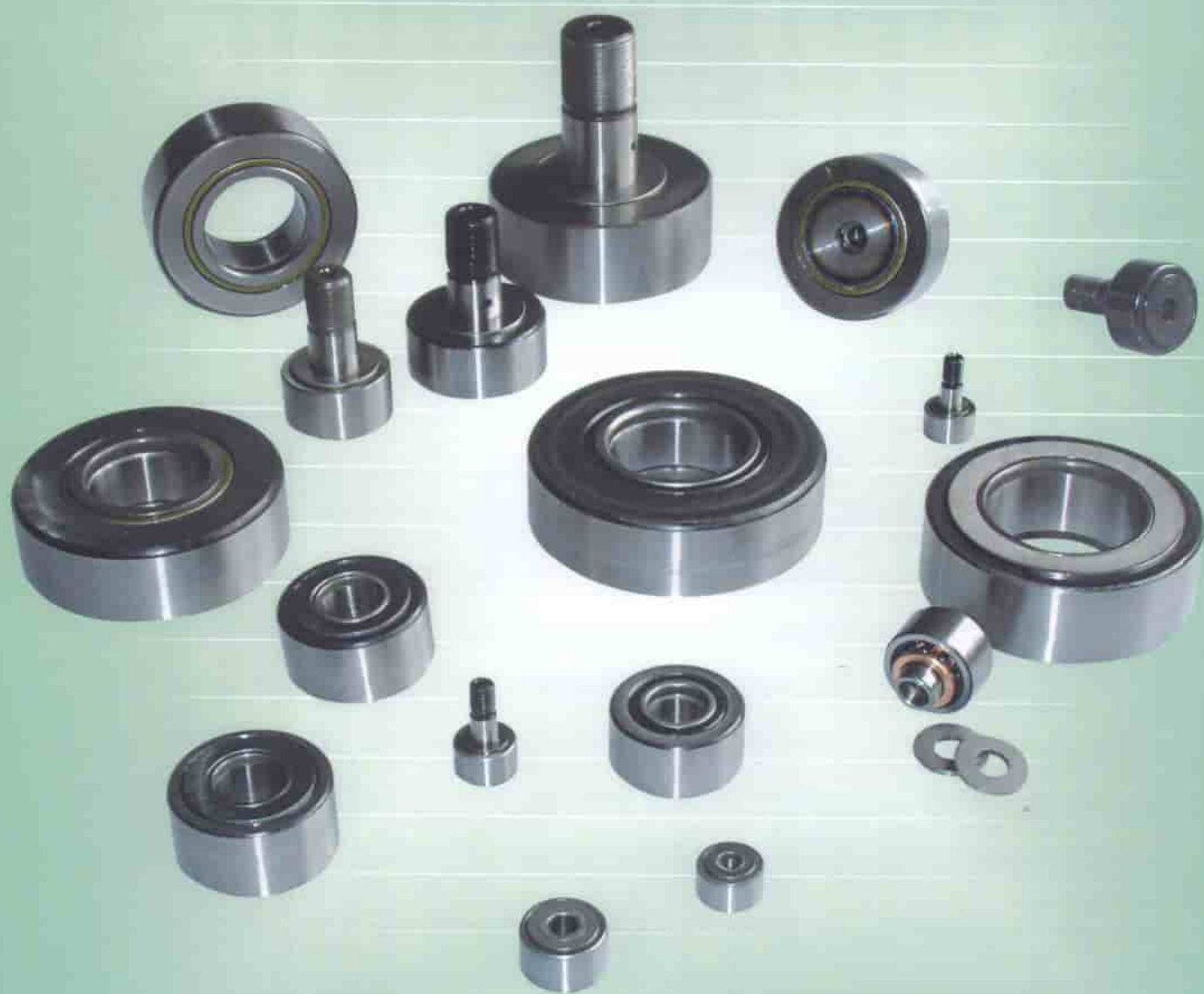
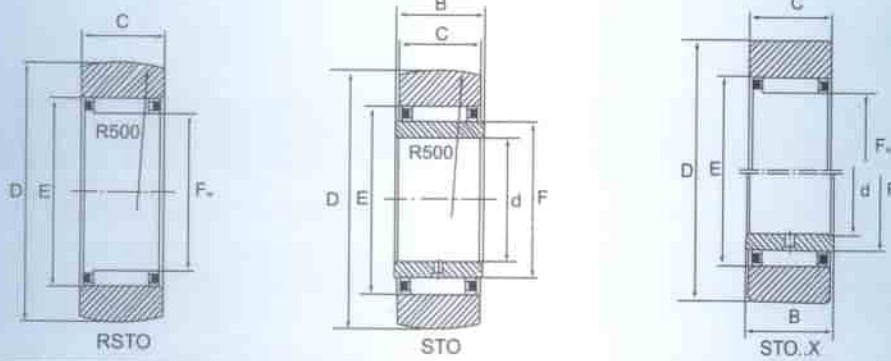


CAM FOLLOWER BEARINGS



Products range

| Series | Structure description |
|-------------|--|
| RSTO | Yoke type track roller without axial guidance, without inner ring, outer ring without ribs |
| RNA22...2RS | Yoke type track roller without axial guidance, without inner ring, lip seals on both sides |
| NATR | Yoke type track roller with axial guidance by washers, with inner ring, gap seals on both sides |
| NATR...PP | Yoke type track roller NATR, lip seals on both sides |
| NATV | Yoke type track roller, axial guidance by washers, full complement needle roller set, with inner ring, gap seals on both sides |
| NATV...PP | Yoke type track roller NATV, lip seals on both sides |
| NUTR | Yoke type track roller with axial guidance by rolling elements, full complement cylindrical roller set, with inner ring, labyrinth seals on both sides |
| KR | Curve roller radically guided by retaining edge and ring |
| KR...PP | Curve roller KR, lip seals on both sides |
| KRE | Curve roller with eccentric sleeve |
| KRE...PP | Curve roller KR with eccentric collar, lip seals on both sides |
| KRV | Curve roller radically guided by the retaining edge and ring, full complement |
| KRV...PP | Curve roller, axial guidance by rib and washer, full complement needle roller set, with lip seals on both sides |
| KRVE | Curve roller with eccentric sleeve, full complement |
| KRVE...PP | Curve roller with eccentric sleeve and retaining sleeve, full complement |
| NUKR | Curve roller with axial guidance by rolling elements, full complement cylindrical roller set, labyrinth seals on both sides |
| NUKRE | Curve roller NUKR, with eccentric collar |
| CR | Curve roller, inch series |



| Outside Diameter | Bearing Designation and Mass Approx | | | | Boundary Dimensions | | | | | | Basic Load Rating | | | | Limiting Speed |
|------------------|-------------------------------------|------|-----------|------|---------------------|----|---------------------|----|------|----|---------------------------|--------------------------|----------------|-----------------|----------------|
| | Without IR | Mass | With IR | Mass | D | d | F F _w | B | C | E | C _r Dynamic | C _s Static | C _w | C _{ow} | Grease |
| | | g | | g | mm | | | | | | N | | | | rpm |
| 16 | RSTO 5 TN | 8.5 | — | — | 16 | — | 7 | — | 7.8 | 10 | 2 800 | 2 600 | 2 550 | 2 550 | 23 000 |
| | RSTO 5 TNX | 8.5 | — | — | 16 | — | 7 | — | 7.8 | 10 | 2 800 | 2 600 | 1 990 | 1 990 | 23 000 |
| 19 | RSTO 6 TN | 12.5 | STO 6 TN | 17 | 19 | 6 | 10 | 10 | 9.8 | 13 | 4 700 | 5 450 | 3 750 | 4 500 | 20 000 |
| | RSTO 6 TNX | 12.5 | STO 6 TNX | 17 | 19 | 6 | 10 | 10 | 9.8 | 13 | 4 700 | 5 450 | 3 050 | 4 000 | 20 000 |
| 24 | RSTO 8 TN | 21 | STO 8 TN | 26 | 24 | 8 | 12 | 10 | 9.8 | 15 | 4 800 | 6 000 | 4 200 | 5 500 | 16 000 |
| | RSTO 8 TNX | 21 | STO 8 TNX | 26 | 24 | 8 | 12 | 10 | 9.8 | 15 | 4 800 | 6 000 | 3 000 | 5 000 | 16 000 |
| 30 | RSTO 10 | 42 | STO 10 | 49 | 30 | 10 | 14 | 12 | 11.8 | 20 | 10 200 | 10 500 | 8 400 | 9 200 | 11 000 |
| | RSTO 10 X | 42 | STO 10 X | 49 | 30 | 10 | 14 | 12 | 11.8 | 20 | 10 200 | 10 500 | 8 000 | 8 800 | 11 000 |
| 32 | RSTO 12 | 49 | STO 12 | 57 | 32 | 12 | 16 | 12 | 11.8 | 22 | 11 300 | 12 300 | 8 900 | 10 100 | 9 000 |
| | RSTO 12 X | 49 | STO 12 X | 57 | 32 | 12 | 16 | 12 | 11.8 | 22 | 11 300 | 12 300 | 8 500 | 9 600 | 9 000 |
| 35 | RSTO 15 | 50 | STO 15 | 63 | 35 | 15 | 20 | 12 | 11.8 | 26 | 13 200 | 16 000 | 9 100 | 10 700 | 6 500 |
| | RSTO 15 X | 50 | STO 15 X | 63 | 35 | 15 | 20 | 12 | 11.8 | 26 | 13 200 | 16 000 | 8 700 | 9 900 | 6 500 |
| 40 | RSTO 17 | 88 | STO 17 | 107 | 40 | 17 | 22 | 16 | 15.8 | 29 | 19 800 | 25 300 | 14 300 | 17 700 | 5 500 |
| | RSTO 17 X | 88 | STO 17 X | 107 | 40 | 17 | 22 | 16 | 15.8 | 29 | 19 800 | 25 300 | 12 500 | 15 700 | 5 500 |
| 47 | RSTO 20 | 130 | STO 20 | 152 | 47 | 20 | 25 | 16 | 15.8 | 32 | 20 800 | 27 800 | 16 200 | 21 500 | 4 700 |
| | RSTO 20 X | 130 | STO 20 X | 152 | 47 | 20 | 25 | 16 | 15.8 | 32 | 20 800 | 27 800 | 15 000 | 19 900 | 4 700 |
| 52 | RSTO 25 | 150 | STO 25 | 177 | 52 | 25 | 30 | 16 | 15.8 | 37 | 23 000 | 33 400 | 16 500 | 22 900 | 3 600 |
| | RSTO 25 X | 150 | STO 25 X | 177 | 52 | 25 | 30 | 16 | 15.8 | 37 | 23 000 | 33 400 | 14 000 | 20 900 | 3 600 |
| 62 | RSTO 30 | 255 | STO 30 | 308 | 62 | 30 | 38 | 20 | 19.8 | 46 | 35 200 | 56 700 | 23 300 | 35 000 | 2 500 |
| | RSTO 30 X | 255 | STO 30 X | 308 | 62 | 30 | 38 | 20 | 19.8 | 46 | 33 200 | 56 700 | 21 800 | 33 000 | 2 500 |
| 72 | RSTO 35 | 375 | STO 35 | 441 | 72 | 35 | 42 | 20 | 19.8 | 50 | 35 800 | 58 800 | 26 000 | 41 000 | 2 200 |
| | RSTO 35 X | 375 | STO 35 X | 441 | 72 | 35 | 42 | 20 | 19.8 | 50 | 35 800 | 58 800 | 24 500 | 38 900 | 2 200 |
| 80 | RSTO 40 | 420 | STO 40 | 530 | 80 | 40 | 50 | 20 | 19.8 | 58 | 35 200 | 61 800 | 24 000 | 39 000 | 1 700 |
| | RSTO 40 X | 420 | STO 40 X | 530 | 80 | 40 | 50 | 20 | 19.8 | 58 | 35 200 | 61 800 | 22 500 | 36 500 | 1 700 |
| 85 | RSTO 45 | 453 | STO 45 | 576 | 85 | 45 | 55 | 20 | 19.8 | 63 | 38 900 | 73 900 | 25 500 | 43 000 | 1 500 |
| | RSTO 45 X | 453 | STO 45 X | 576 | 85 | 45 | 55 | 20 | 19.8 | 63 | 38 900 | 73 900 | 24 000 | 41 500 | 1 500 |
| 90 | RSTO 50 | 481 | STO 50 | 617 | 90 | 50 | 60 | 20 | 19.8 | 68 | 43 300 | 84 800 | 26 000 | 46 500 | 1 300 |
| | RSTO 50 X | 481 | STO 50 X | 617 | 90 | 50 | 60 | 20 | 19.8 | 68 | 43 300 | 84 800 | 22 800 | 44 000 | 1 300 |

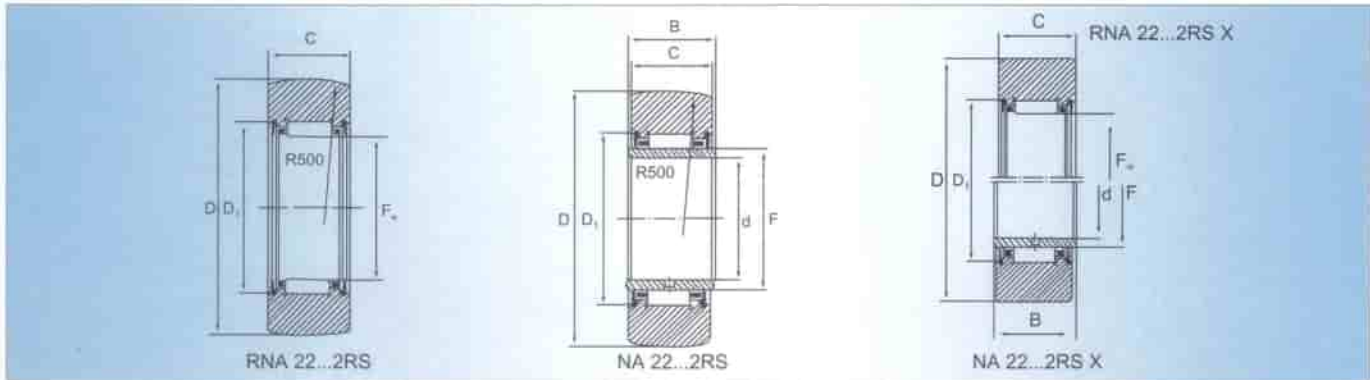
1) TN = plastic cage, permissible operating temperature: 120°C (Continuous operation).

F = raceway diameter of inner ring.

F_w = needle roller enveloping circle in the tolerance zone F6.

2) The basic load ratings C_r and C_s apply if the bearing outer ring (with cylindrical outside surface) is mounted in a housing bore with the normal rolling bearing fit; when used as a track roller, the load ratings C_w and C_{ow} apply.

3) Limiting speed for grease lubrication, with oil lubrication, the speed can be increased by approximately 30%.



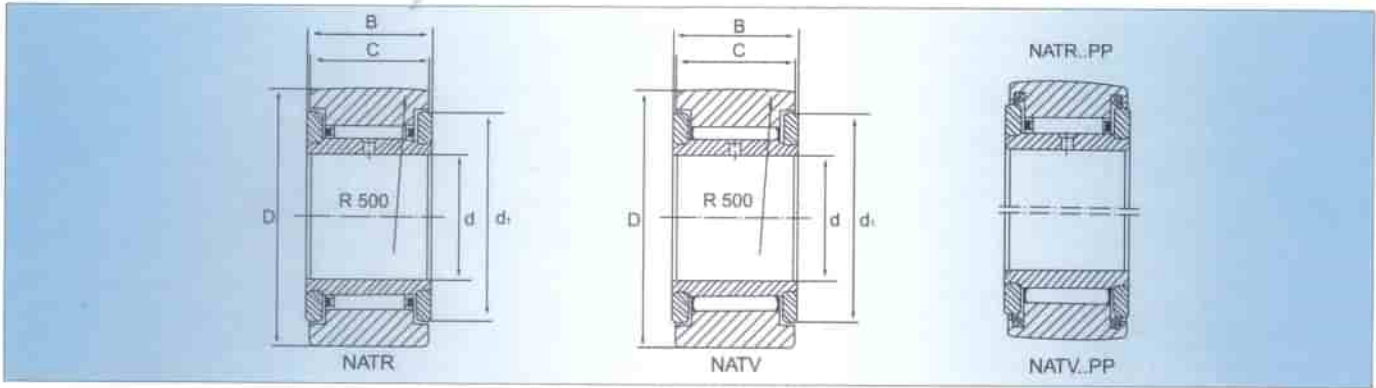
| Outside Diameter | Bearing Designation and Mass Approx | | | | Boundary Dimensions | | | | | | Basic Load Rating | | | | Limiting Speed |
|------------------|-------------------------------------|------|---------------|------|---------------------|----|---------------------|----|------|----|---------------------------|--------------------------|----------------|-----------------|----------------|
| | Without IR | Mass | With IR | Mass | D | d | F F _w | B | C | E | C _d Dynamic | C _s Static | C _w | C _{ow} | Grease |
| | | g | | g | mm | | | | | | N | | | | rpm |
| 19 | RNA 22/6.2RS | 18 | NA 22/6.2RS | 22 | 19 | 6 | 10 | 12 | 11.8 | 16 | 5 000 | 4 350 | 3 050 | 3 000 | 18 000 |
| | RNA 22/6.2RS X | 18 | NA 22/6.2RS X | 22 | 19 | 6 | 10 | 12 | 11.8 | 16 | 5 000 | 4 350 | 3 900 | 3 700 | 18 000 |
| 24 | RNA 22/8.2RS | 29 | NA 22/8.2RS | 34 | 24 | 8 | 12 | 12 | 11.8 | 18 | 5 500 | 5 200 | 4 800 | 4 800 | 14 000 |
| | RNA 22/8.2RS X | 29 | NA 22/8.2RS X | 34 | 24 | 8 | 12 | 12 | 11.8 | 18 | 5 500 | 5 200 | 4 050 | 4 050 | 14 000 |
| 30 | RNA 2200.2RS | 52 | NA 2200.2RS | 60 | 30 | 10 | 14 | 14 | 13.8 | 20 | 7 600 | 8 100 | 7 000 | 8 000 | 11 000 |
| | RNA 2200.2RS X | 52 | NA 2200.2RS X | 60 | 30 | 10 | 14 | 14 | 13.8 | 20 | 7 600 | 8 100 | 6 500 | 7 050 | 11 000 |
| 32 | RNA 2201.2RS | 57 | NA 2201.2RS | 67 | 32 | 12 | 16 | 14 | 13.8 | 22 | 8 500 | 9 700 | 7 500 | 9 000 | 9 500 |
| | RNA 2201.2RS X | 57 | NA 2201.2RS X | 67 | 32 | 12 | 16 | 14 | 13.8 | 22 | 8 500 | 9 700 | 7 050 | 8 950 | 9 500 |
| 35 | RNA 2202.2RS | 60 | NA 2202.2RS | 75 | 35 | 15 | 20 | 14 | 13.8 | 26 | 9 600 | 12 000 | 7 600 | 9 600 | 7 000 |
| | RNA 2202.2RS X | 60 | NA 2202.2RS X | 75 | 35 | 15 | 20 | 14 | 13.8 | 26 | 9 600 | 12 000 | 7 050 | 9 080 | 7 000 |
| 40 | RNA 2203.2RS | 94 | NA 2203.2RS | 112 | 40 | 17 | 22 | 16 | 15.8 | 28 | 12 000 | 16 500 | 9 900 | 13 800 | 6 000 |
| | RNA 2203.2RS X | 94 | NA 2203.2RS X | 112 | 40 | 17 | 22 | 16 | 15.8 | 28 | 12 000 | 16 500 | 9 090 | 11 800 | 6 000 |
| 47 | RNA 2204.2RS | 152 | NA 2204.2RS | 177 | 47 | 20 | 25 | 18 | 17.8 | 33 | 18 500 | 21 900 | 15 200 | 18 300 | 4 600 |
| | RNA 2204.2RS X | 152 | NA 2204.2RS X | 177 | 47 | 20 | 25 | 18 | 17.8 | 33 | 18 500 | 21 900 | 13 500 | 16 500 | 4 600 |
| 52 | RNA 2205.2RS | 179 | NA 2205.2RS | 209 | 52 | 25 | 30 | 18 | 17.8 | 38 | 20 100 | 26 000 | 15 700 | 20 000 | 3 500 |
| | RNA 2205.2RS X | 179 | NA 2205.2RS X | 209 | 52 | 25 | 30 | 18 | 17.8 | 38 | 20 100 | 26 000 | 13 500 | 18 900 | 3 500 |
| 62 | RNA 2206.2RS | 284 | NA 2206.2RS | 324 | 62 | 30 | 35 | 20 | 19.8 | 43 | 23 000 | 28 000 | 18 300 | 25 500 | 2 800 |
| | RNA 2206.2RS X | 284 | NA 2206.2RS X | 324 | 62 | 30 | 35 | 20 | 19.8 | 43 | 23 000 | 28 000 | 17 500 | 23 500 | 2 800 |
| 72 | RNA 2207.2RS | 432 | NA 2207.2RS | 505 | 72 | 35 | 42 | 23 | 22.7 | 50 | 29 800 | 46 300 | 23 000 | 35 500 | 2 200 |
| | RNA 2207.2RS X | 432 | NA 2207.2RS X | 505 | 72 | 35 | 42 | 23 | 22.7 | 50 | 29 800 | 46 300 | 20 500 | 32 500 | 2 200 |
| 80 | RNA 2208.2RS | 530 | NA 2208.2RS | 628 | 80 | 40 | 48 | 23 | 22.7 | 57 | 38 200 | 57 700 | 27 500 | 40 500 | 1 700 |
| | RNA 2208.2RS X | 530 | NA 2208.2RS X | 628 | 80 | 40 | 48 | 23 | 22.7 | 57 | 38 200 | 57 700 | 25 000 | 38 000 | 1 700 |
| 85 | RNA 2209.2RS | 545 | NA 2209.2RS | 655 | 85 | 45 | 52 | 23 | 22.7 | 62 | 40 300 | 63 800 | 28 500 | 43 000 | 1 600 |
| | RNA 2209.2RS X | 545 | NA 2209.2RS X | 655 | 85 | 45 | 52 | 23 | 22.7 | 62 | 40 300 | 63 800 | 26 000 | 41 000 | 1 600 |
| 90 | RNA 2210.2RS | 563 | NA 2210.2RS | 690 | 90 | 50 | 58 | 23 | 22.7 | 68 | 42 100 | 66 000 | 28 000 | 42 500 | 1 300 |
| | RNA 2210.2RS X | 563 | NA 2210.2RS X | 690 | 90 | 50 | 58 | 23 | 22.7 | 68 | 42 100 | 66 000 | 26 000 | 40 500 | 1 300 |

1) F = raceway diameter of inner ring.

F_w = needle roller enveloping circle in the tolerance zone F6.

2) The basic load ratings C_d and C_s apply if the bearing outer ring (with cylindrical outside surface) is mounted in a housing bore with the normal rolling bearing fit; when used as a track roller, the load ratings C_w and C_{ow} apply.

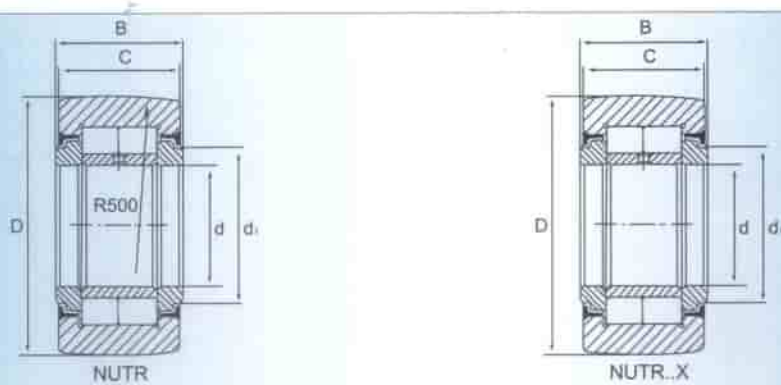
3) Limiting speed for grease lubrication. For oil lubrication, the speed can be increased by approximately 30%.



| Outside Diameter mm | Bearing Designation and Mass Approx | | | | Boundary Dimensions | | | | | Basic Load Rating | | | | Limiting Speed |
|------------------------|-------------------------------------|------|------------|------|---------------------|----|----|----|----------------|---------------------------|--------------------------|-----------------|-----------------|----------------|
| | Without IR | Mass | With IR | Mass | d | D | B | C | d ₁ | C _d Dynamic | C _s Static | C _{se} | C _{se} | Grease |
| | | g | | g | mm | | | | | N | | | | rpm |
| 16 | NATR 5 | 14 | NATR 5 PP | 14 | 5 | 16 | 12 | 11 | 12 | 3 050 | 3 000 | 2 050 | 2 400 | 22 000 |
| | NATV 5 | 15 | NATV 5 PP | 15 | 5 | 16 | 12 | 11 | 12 | 4 500 | 6 300 | 3 680 | 4 300 | 8 500 |
| 19 | NATR 6 | 20 | NATR 6 PP | 20 | 6 | 19 | 12 | 11 | 14 | 3 600 | 3 650 | 2 450 | 2 850 | 20 000 |
| | NATV 6 | 21 | NATV 6 PP | 21 | 6 | 19 | 12 | 11 | 14 | 5 700 | 8 700 | 4 600 | 6 750 | 7 000 |
| 24 | NATR 8 | 41 | NATR 8 PP | 41 | 8 | 24 | 15 | 14 | 19 | 4 500 | 5 400 | 3 900 | 4 500 | 5 000 |
| | NATV 8 | 42 | NATV 8 PP | 42 | 8 | 24 | 15 | 14 | 19 | 8 600 | 12 000 | 6 700 | 9 800 | 5 500 |
| 30 | NATR 10 | 64 | NATR 10 PP | 64 | 10 | 30 | 15 | 14 | 23 | 6 100 | 7 800 | 4 500 | 6 900 | 11 000 |
| | NATV 10 | 65 | NATV 10 PP | 65 | 10 | 30 | 15 | 14 | 23 | 10 900 | 17 000 | 7 600 | 11 800 | 4 500 |
| 32 | NATR 12 | 71 | NATR 12 PP | 71 | 12 | 32 | 15 | 14 | 25 | 6 600 | 9 800 | 4 660 | 7 000 | 9 000 |
| | NATV 12 | 72 | NATV 12 PP | 72 | 12 | 32 | 15 | 14 | 25 | 11 800 | 19 000 | 7 800 | 13 000 | 3 900 |
| 35 | NATR 15 | 103 | NATR 15 PP | 103 | 15 | 35 | 19 | 18 | 27 | 10 500 | 17 500 | 7 800 | 11 500 | 7 000 |
| | NATV 15 | 105 | NATV 15 PP | 105 | 15 | 35 | 19 | 18 | 27 | 16 000 | 32 500 | 10 200 | 20 500 | 3 400 |
| 40 | NATR 17 | 144 | NATR 17 PP | 144 | 17 | 40 | 21 | 20 | 32 | 11 800 | 19 400 | 9 500 | 13 500 | 6 000 |
| | NATV 17 | 152 | NATV 17 PP | 152 | 17 | 40 | 21 | 20 | 32 | 19 600 | 37 000 | 1 2000 | 23 000 | 2 900 |
| 47 | NATR 20 | 246 | NATR 20 PP | 246 | 20 | 47 | 25 | 24 | 37 | 17 500 | 29 800 | 13 500 | 22 500 | 4 900 |
| | NATV 20 | 254 | NATV 20 PP | 254 | 20 | 47 | 25 | 24 | 37 | 25 800 | 57 000 | 19 000 | 39 500 | 2 600 |
| 52 | NATR 25 | 275 | NATR 25 PP | 275 | 25 | 52 | 25 | 24 | 42 | 19 500 | 36 500 | 13 400 | 23 500 | 3 600 |
| | NATV 25 | 285 | NATV 25 PP | 285 | 25 | 52 | 25 | 24 | 42 | 29 000 | 69 600 | 19 800 | 40 900 | 2 100 |
| 62 | NATR 30 | 470 | NATR 30 PP | 470 | 30 | 62 | 29 | 28 | 51 | 31 000 | 57 500 | 20 900 | 35 500 | 2 600 |
| | NATV 30 | 481 | NATV 30 PP | 481 | 30 | 62 | 29 | 28 | 51 | 45 500 | 104 000 | 27 800 | 60 900 | 1 700 |
| 72 | NATR 35 | 635 | NATR 35 PP | 635 | 35 | 72 | 29 | 28 | 58 | 34 500 | 67 500 | 22 500 | 41 000 | 2 000 |
| | NATV 35 | 647 | NATV 35 PP | 647 | 35 | 72 | 29 | 28 | 58 | 50 800 | 109 500 | 30 900 | 70 800 | 1 400 |
| 80 | NATR 40 | 805 | NATR 40 PP | 805 | 40 | 80 | 32 | 30 | 66 | 47 000 | 91 500 | 30 900 | 56 500 | 1 700 |
| | NATV 40 | 890 | NATV 40 PP | 890 | 40 | 80 | 32 | 30 | 66 | 64 000 | 139 000 | 39 800 | 87 800 | 1 300 |
| 85 | NATR 45 | 910 | NATR 45 PP | 910 | 45 | 85 | 32 | 30 | 72 | 49 100 | 98 000 | 30 600 | 56 900 | 1 500 |
| 90 | NATR 50 | 960 | NATR 50 PP | 960 | 50 | 90 | 32 | 30 | 76 | 50 500 | 10 600 | 30 600 | 57 500 | 1 300 |
| | NATV 50 | 990 | NATV 50 PP | 990 | 50 | 90 | 32 | 30 | 76 | 69 500 | 187 000 | 38 700 | 90 900 | 1 000 |

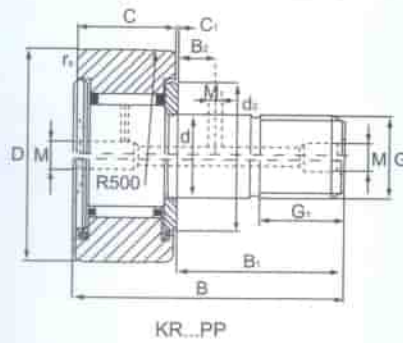
- 1) The suffix X indicates a cylindrical outside surface e.g. NATR 5X or NATR 5 PPX.
- 2) The basic load ratings C_d and C_s apply if the bearing outer ring (with cylindrical outside surface) is mounted in a housing bore with the normal rolling bearing fit; when used as a track roller, the load ratings C_{se} and C_{se} apply.
- 3) Limiting speed for grease lubrication. with oil lubrication, the speed can be increased by approximately 30% except for the sealed executions.

* for the sealed version the limiting speed n_G for grease lubrication should be reduced by approximately 30%.



| Outside Diameter | Bearing Designation and Mass Approx | | Boundary Dimensions | | | | | Basic Load Rating | | | | Limiting Speed |
|------------------|-------------------------------------|------|---------------------|-----|----|----|----------------|------------------------|-----------------------|----------------|-----------------|----------------|
| | Bearing Designation | Mass | d | D | B | C | d _i | C _d Dynamic | C _s Static | C _o | C _{oo} | Grease |
| | | g | mm | | | | | N | | | | rpm |
| 35 | NUTR 15 | 99 | 15 | 35 | 19 | 18 | 20 | 20 500 | 24 500 | 13 900 | 15 300 | 6500 |
| 40 | NUTR 17 | 147 | 17 | 40 | 21 | 20 | 22 | 21 800 | 28 500 | 16 500 | 20 500 | 5500 |
| 42 | NUTR 15 42 | 158 | 15 | 42 | 19 | 18 | 20 | 20 500 | 24 500 | 16 800 | 21 800 | 6500 |
| 47 | NUTR 17 47 | 220 | 17 | 47 | 21 | 20 | 20 | 21 800 | 28 500 | 19 000 | 25 000 | 5500 |
| | NUTR 20 | 245 | 20 | 47 | 25 | 24 | 27 | 36 900 | 48 900 | 26 000 | 33 500 | 4200 |
| 52 | NUTR 20 52 | 321 | 20 | 52 | 25 | 24 | 27 | 36 900 | 48 900 | 29 800 | 39 800 | 4200 |
| | NUTR 25 | 281 | 25 | 52 | 25 | 24 | 31 | 40 800 | 58 500 | 27 500 | 35 000 | 3400 |
| 62 | NUTR 25 62 | 450 | 25 | 62 | 25 | 24 | 31 | 40 800 | 58 500 | 32 500 | 47 800 | 3400 |
| | NUTR 30 | 465 | 30 | 62 | 29 | 28 | 38 | 56 800 | 77 500 | 39 500 | 49 500 | 2600 |
| 72 | NUTR 30 72 | 697 | 30 | 72 | 29 | 28 | 38 | 56 800 | 77 500 | 46 000 | 62 800 | 2600 |
| | NUTR 35 | 630 | 35 | 72 | 29 | 28 | 44 | 63 000 | 91 000 | 42 500 | 59 000 | 2100 |
| 80 | NUTR 35 80 | 836 | 35 | 80 | 29 | 28 | 44 | 63 000 | 91 000 | 49 500 | 70 500 | 2100 |
| | NUTR 40 | 816 | 40 | 80 | 32 | 30 | 51 | 87 900 | 108 000 | 54 000 | 73 600 | 1600 |
| 85 | NUTR 45 | 883 | 45 | 85 | 32 | 30 | 55 | 93 600 | 119 000 | 54 000 | 77 500 | 1400 |
| 90 | NUTR 40 90 | 1129 | 40 | 90 | 32 | 30 | 51 | 87 900 | 108 000 | 63 800 | 93 600 | 1800 |
| | NUTR 50 | 950 | 50 | 90 | 32 | 30 | 60 | 98 900 | 140 000 | 55 900 | 79 000 | 1300 |
| 100 | NUTR 45 100 | 1396 | 45 | 100 | 32 | 30 | 55 | 93 600 | 119 000 | 70 500 | 106 000 | 1400 |
| 110 | NUTR 50 110 | 1690 | 50 | 110 | 32 | 30 | 60 | 98 900 | 140 000 | 73 600 | 118 000 | 1300 |

- 1) The suffix X indicates a cylindrical outside surface e.g. NUTR 40 X.
- 2) The basic load ratings C_d and C_s apply if the bearing outer ring (with cylindrical outside surface) is mounted in a housing bore with the normal rolling bearing fit; when used as a track roller, the load ratings C_o and C_{oo} apply.
- 3) Limiting speed for grease lubrication. For oil lubrication, the speed can be increased by approximately 30%.



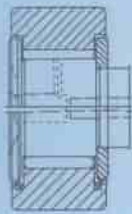
KR...PP

| Outside Diameter mm | Bearing Designation | | Boundary Dimensions | | | | | | | | | | | | |
|------------------------|---------------------|-----------------------|---------------------|----|----|----------------|----|----------------|----------------|---------|----------------|-----------------|-----------------|-------------------|------------------|
| | | With eccentric sleeve | D | d | C | r ₁ | B | B ₁ | B ₂ | G | G ₁ | M | M ₁ | C ₁ | d ₁ |
| 16 | KR 16 | KRE 16 | 16 | 6 | 11 | 0.15 | 28 | 16 | -- | M6 | 8 | 4 ²⁾ | -- | 0.6 | 12 |
| | KR 16 PP | KRE 16 PP | 16 | 6 | 11 | 0.15 | 28 | 16 | -- | M6 | 8 | 4 ²⁾ | -- | 0.6 | 12 |
| | KRV 16 | KRVE 16 | 16 | 6 | 11 | 0.15 | 28 | 16 | -- | M6 | 8 | 4 ²⁾ | -- | 0.6 | 12 |
| | KRV 16 PP | KRVE 16 PP | 16 | 6 | 11 | 0.15 | 28 | 16 | -- | M6 | 8 | 4 ²⁾ | -- | 0.6 | 12 |
| 19 | KR 19 | KRE 19 | 19 | 8 | 11 | 0.15 | 32 | 20 | -- | M8 | 10 | 4 ²⁾ | -- | 0.6 | 14 |
| | KR 19 PP | KRE 19 PP | 19 | 8 | 11 | 0.15 | 32 | 20 | -- | M8 | 10 | 4 ²⁾ | -- | 0.6 | 14 |
| | KRV 19 | KRVE 19 | 19 | 8 | 11 | 0.15 | 32 | 20 | -- | M8 | 10 | 4 ²⁾ | -- | 0.6 | 14 |
| | KRV 19 PP | KRVE 19 PP | 19 | 8 | 11 | 0.15 | 32 | 20 | -- | M8 | 10 | 4 ²⁾ | -- | 0.6 | 14 |
| 22 | KR 22 | KRE 22 | 22 | 10 | 12 | 0.3 | 36 | 23 | -- | M10X1 | 12 | 4 | -- | 0.6 | 17 |
| | KR 22 PP | KRE 22 PP | 22 | 10 | 12 | 0.3 | 36 | 23 | -- | M10X1 | 12 | 4 | -- | 0.6 | 17 |
| | KRV 22 | KRVE 22 | 22 | 10 | 12 | 0.3 | 36 | 23 | -- | M10X1 | 12 | 4 | -- | 0.6 | 17 |
| | KRV 22 PP | KRVE 22 PP | 22 | 10 | 12 | 0.3 | 36 | 23 | -- | M10X1 | 12 | 4 | -- | 0.6 | 17 |
| 26 | KR 26 | KRE 26 | 26 | 10 | 12 | 0.3 | 36 | 23 | -- | M10X1 | 12 | 4 | -- | 0.6 | 17 |
| | KR 26 PP | KRE 26 PP | 26 | 10 | 12 | 0.3 | 36 | 23 | -- | M10X1 | 12 | 4 | -- | 0.6 | 17 |
| | KRV 26 | KRVE 26 | 26 | 10 | 12 | 0.3 | 36 | 23 | -- | M10X1 | 12 | 4 | -- | 0.6 | 17 |
| | KRV 26 PP | KRVE 26 PP | 26 | 10 | 12 | 0.3 | 36 | 23 | -- | M10X1 | 12 | 4 | -- | 0.6 | 17 |
| 30 | KR 30 | KRE 30 | 30 | 12 | 14 | 0.6 | 40 | 25 | 6 | M12X1.5 | 13 | 6 | 3 | 0.6 | 23 |
| | KR 30 PP | KRE 30 PP | 30 | 12 | 14 | 0.6 | 40 | 25 | 6 | M12X1.5 | 13 | 6 | 3 | 0.6 | 23 |
| | KRV 30 | KRVE 30 | 30 | 12 | 14 | 0.6 | 40 | 25 | 6 | M12X1.5 | 13 | 6 | 3 | 0.6 | 23 |
| | KRV 30 PP | KRVE 30 PP | 30 | 12 | 14 | 0.6 | 40 | 25 | 6 | M12X1.5 | 13 | 6 | 3 | 0.6 | 23 |
| 32 | KR 32 | KRE 32 | 32 | 12 | 14 | 0.6 | 40 | 25 | 6 | M12X1.5 | 13 | 6 | 3 | 0.6 | 23 |
| | KR 32 PP | KRE 32 PP | 32 | 12 | 14 | 0.6 | 40 | 25 | 6 | M12X1.5 | 13 | 6 | 3 | 0.6 | 23 |
| | KRV 32 | KRVE 32 | 32 | 12 | 14 | 0.6 | 40 | 25 | 6 | M12X1.5 | 13 | 6 | 3 | 0.6 | 23 |
| | KRV 32 PP | KRVE 32 PP | 32 | 12 | 14 | 0.6 | 40 | 25 | 6 | M12X1.5 | 13 | 6 | 3 | 0.6 | 23 |
| 35 | KR 35 | KRE 35 | 35 | 16 | 18 | 0.6 | 52 | 32.5 | 8 | M16X1.5 | 17 | 6 | 3 | 0.8 | 27 |
| | KR 35 PP | KRE 35 PP | 35 | 16 | 18 | 0.6 | 52 | 32.5 | 8 | M16X1.5 | 17 | 6 | 3 | 0.8 | 27 |
| | KRV 35 | KRVE 35 | 35 | 16 | 18 | 0.6 | 52 | 32.5 | 8 | M16X1.5 | 17 | 6 | 3 | 0.8 | 27 |
| | KRV 35 PP | KRVE 35 PP | 35 | 16 | 18 | 0.6 | 52 | 32.5 | 8 | M16X1.5 | 17 | 6 | 3 | 0.8 | 27 |
| | NUKR 35 | NUKRE 35 | 35 | 16 | 18 | 0.6 | 52 | 32.5 | 8 | M16X1.5 | 17 | 6 | 3 ³⁾ | 0.8 ⁴⁾ | 21 ⁴⁾ |
| 40 | KR 40 | KRE 40 | 40 | 18 | 20 | 1 | 58 | 36.5 | 8 | M18X1.5 | 19 | 6 | 3 | 0.8 | 32 |
| | KR 40 PP | KRE 40 PP | 40 | 18 | 20 | 1 | 58 | 36.5 | 8 | M18X1.5 | 19 | 6 | 3 | 0.8 | 32 |
| | KRV 40 | KRVE 40 | 40 | 18 | 20 | 1 | 58 | 36.5 | 8 | M18X1.5 | 19 | 6 | 3 | 0.8 | 32 |
| | KRV 40 PP | KRVE 40 PP | 40 | 18 | 20 | 1 | 58 | 36.5 | 8 | M18X1.5 | 19 | 6 | 3 | 0.8 | 32 |
| | NUKR 40 | NUKRE 40 | 40 | 18 | 20 | 1 | 58 | 36.5 | 8 | M18X1.5 | 19 | 6 | 3 | 0.8 ⁴⁾ | 23 ⁴⁾ |

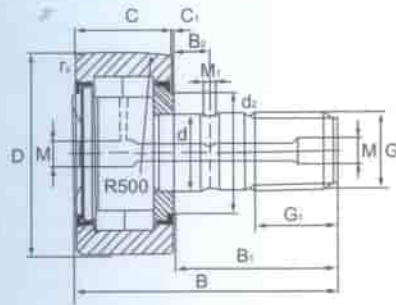
1) suffix "X" means the outer surface of the cylinder.

2) when the bearing outer ring (with outer cylinder surface) is fitted with general bearings in the seat holes, basic stable load C and C₀ should be used while used as rolling wheel, rated load C_r and C_{0r} should be used.

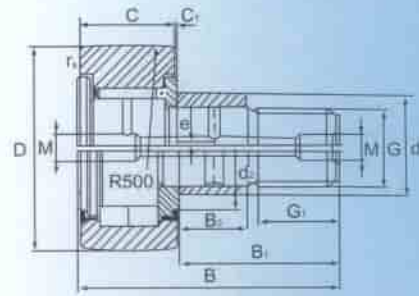
3) the rotating speed will increase by about 30% if oil lubricant is used.



KRV...PP

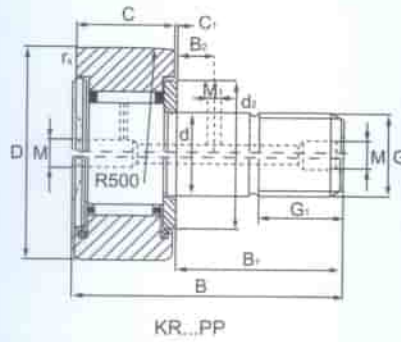


NUKR



NUKRE

| d | B ₁ | e | M Nm | Basic Load Ratings | | | | Limiting Speed $n_{lim} \frac{1}{min}$ |
|----|----------------|-----|---------|----------------------------|---------------------|----------------------|----------------------|--|
| | | | | As yoko type track rollers | | | | |
| | | | | C N | C ₂ N | C ₁₀ N | C ₅₀ N | |
| 9 | 7 | 0.5 | 3 | 3800 | 3750 | 3150 | 3300 | 22000 |
| 9 | 7 | 0.5 | 3 | 3800 | 3750 | 3150 | 3300 | 16000 |
| 9 | 7 | 0.5 | 3 | 6400 | 8500 | 4850 | 6500 | 8500 |
| 9 | 7 | 0.5 | 3 | 6400 | 8500 | 4850 | 6500 | 8500 |
| 11 | 9 | 0.5 | 8 | 4250 | 4600 | 3500 | 3900 | 20000 |
| 11 | 9 | 0.5 | 8 | 4250 | 4600 | 3500 | 3900 | 14000 |
| 11 | 9 | 0.5 | 8 | 7300 | 10800 | 5500 | 7900 | 7000 |
| 11 | 9 | 0.5 | 8 | 7300 | 10800 | 5500 | 7900 | 7000 |
| 13 | 10 | 0.5 | 15 | 5700 | 6500 | 4450 | 5200 | 16000 |
| 13 | 10 | 0.5 | 15 | 5700 | 6500 | 4450 | 5200 | 11000 |
| 13 | 10 | 0.5 | 15 | 8600 | 12900 | 6300 | 9100 | 6000 |
| 13 | 10 | 0.5 | 15 | 8600 | 12900 | 6300 | 9100 | 6000 |
| 13 | 10 | 0.5 | 15 | 5700 | 6500 | 5100 | 6200 | 16000 |
| 13 | 10 | 0.5 | 15 | 5700 | 6500 | 5100 | 6200 | 11000 |
| 13 | 10 | 0.5 | 15 | 8600 | 12900 | 7300 | 11300 | 6000 |
| 13 | 10 | 0.5 | 15 | 8600 | 12900 | 7300 | 11300 | 6000 |
| 15 | 11 | 0.5 | 22 | 8100 | 9700 | 6800 | 8400 | 11000 |
| 15 | 11 | 0.5 | 22 | 8100 | 9700 | 6800 | 8400 | 8300 |
| 15 | 11 | 0.5 | 22 | 12200 | 19000 | 9500 | 14600 | 4500 |
| 15 | 11 | 0.5 | 22 | 12200 | 19000 | 9500 | 14600 | 4500 |
| 15 | 11 | 0.5 | 22 | 8100 | 9700 | 7100 | 9000 | 11000 |
| 15 | 11 | 0.5 | 22 | 8100 | 9700 | 7100 | 9000 | 8300 |
| 15 | 11 | 0.5 | 22 | 12200 | 19000 | 10000 | 15800 | 4500 |
| 15 | 11 | 0.5 | 22 | 12200 | 19000 | 10000 | 15800 | 4500 |
| 20 | 14 | 1 | 58 | 12900 | 19000 | 9700 | 14100 | 7000 |
| 20 | 14 | 1 | 58 | 12900 | 19000 | 9700 | 14100 | 7000 |
| 20 | 14 | 1 | 58 | 18300 | 35000 | 12800 | 23000 | 3400 |
| 20 | 14 | 1 | 58 | 18300 | 35000 | 12800 | 23000 | 3400 |
| 20 | 14 | 1 | 58 | 23000 | 27000 | 16000 | 18300 | 6500 |
| 22 | 16 | 1 | 87 | 14200 | 20400 | 10900 | 15500 | 6000 |
| 22 | 16 | 1 | 87 | 14200 | 20400 | 10900 | 15500 | 6000 |
| 22 | 16 | 1 | 87 | 21000 | 39500 | 14800 | 26500 | 2900 |
| 22 | 16 | 1 | 87 | 21000 | 39500 | 14800 | 26500 | 2900 |
| 22 | 16 | 1 | 87 | 24800 | 31000 | 18500 | 22800 | 5500 |



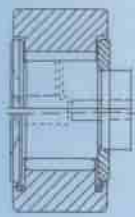
KR...PP

| Outside Diameter mm | Bearing Designation | | Boundary Dimensions | | | | | | | | | | | | |
|------------------------|---------------------|-----------------------|---------------------|----|----|----------------|-----|----------------|------------------------|---------|----------------|---|----------------|----------------|----------------|
| | | With eccentric sleeve | D | d | C | r ₁ | B | B ₁ | B ₁ min. | G | G ₁ | M | M ₁ | C ₁ | d ₁ |
| 47 | KR 47 | KRE 47 | 47 | 20 | 24 | 1 | 66 | 40.5 | 9 | M20X1.5 | 21 | 8 | 4 | 0.8 | 37 |
| | KR 47 PP | KRE 47 PP | 47 | 20 | 24 | 1 | 66 | 40.5 | 9 | M20X1.5 | 21 | 8 | 4 | 0.8 | 37 |
| | KRV 47 | KRVE 47 | 47 | 20 | 24 | 1 | 66 | 40.5 | 9 | M20X1.5 | 21 | 8 | 4 | 0.8 | 37 |
| | KRV 47 PP | KRVE 47 PP | 47 | 20 | 24 | 1 | 66 | 40.5 | 9 | M20X1.5 | 21 | 8 | 4 | 0.8 | 37 |
| | NUKR 47 | NUKRE 47 | 47 | 20 | 24 | 1 | 66 | 40.5 | 9 | M20X1.5 | 21 | 8 | 4 | 0.8 | 37 |
| 52 | KR 52 | KRE 52 | 52 | 20 | 24 | 1 | 66 | 40.5 | 9 | M20X1.5 | 21 | 8 | 4 | 0.8 | 37 |
| | KR 52 PP | KRE 52 PP | 52 | 20 | 24 | 1 | 66 | 40.5 | 9 | M20X1.5 | 21 | 8 | 4 | 0.8 | 37 |
| | KRV 52 | KRVE 52 | 52 | 20 | 24 | 1 | 66 | 40.5 | 9 | M20X1.5 | 21 | 8 | 4 | 0.8 | 37 |
| | KRV 52 PP | KRVE 52 PP | 52 | 20 | 24 | 1 | 66 | 40.5 | 9 | M20X1.5 | 21 | 8 | 4 | 0.8 | 37 |
| | NUKR 52 | NUKRE 52 | 52 | 20 | 24 | 1 | 66 | 40.5 | 9 | M20X1.5 | 21 | 8 | 4 | 0.8 | 31 |
| 62 | KR 62 | KRE 62 | 62 | 24 | 29 | 1 | 80 | 49.5 | 11 | M24X1.5 | 25 | 8 | 4 | 0.8 | 44 |
| | KR 62 PP | KRE 62 PP | 62 | 24 | 29 | 1 | 80 | 49.5 | 11 | M24X1.5 | 25 | 8 | 4 | 0.8 | 44 |
| | KRV 62 | KRVE 62 | 62 | 24 | 29 | 1 | 80 | 49.5 | 11 | M24X1.5 | 25 | 8 | 4 | 0.8 | 44 |
| | KRV 62 PP | KRVE 62 PP | 62 | 24 | 29 | 1 | 80 | 49.5 | 11 | M24X1.5 | 25 | 8 | 4 | 0.8 | 44 |
| | NUKR 62 | NUKRE 62 | 62 | 24 | 28 | 1 | 80 | 49.5 | 11 | M24X1.5 | 25 | 8 | 4 | 0.8 | 38 |
| 72 | KR 72 | KRE 72 | 72 | 24 | 29 | 1.1 | 80 | 49.5 | 11 | M24X1.5 | 25 | 8 | 4 | 0.8 | 44 |
| | KR 72 PP | KRE 72 PP | 72 | 24 | 29 | 1.1 | 80 | 49.5 | 11 | M24X1.5 | 25 | 8 | 4 | 0.8 | 44 |
| | KRV 72 | KRVE 72 | 72 | 24 | 29 | 1.1 | 80 | 49.5 | 11 | M24X1.5 | 25 | 8 | 4 | 0.8 | 44 |
| | KRV 72 PP | KRVE 72 PP | 72 | 24 | 29 | 1.1 | 80 | 49.5 | 11 | M24X1.5 | 25 | 8 | 4 | 0.8 | 44 |
| | NUKR 72 | NUKRE 72 | 72 | 24 | 28 | 1.1 | 80 | 49.5 | 11 | M24X1.5 | 25 | 8 | 4 | 0.8 | 44 |
| 80 | KR 80 | KRE 80 | 80 | 30 | 35 | 1.1 | 100 | 63 | 15 | M30X1.5 | 32 | 8 | 4 | 1 | 53 |
| | KR 80 PP | KRE 80 PP | 80 | 30 | 35 | 1.1 | 100 | 63 | 15 | M30X1.5 | 32 | 8 | 4 | 1 | 53 |
| | KRV 80 | KRVE 80 | 80 | 30 | 35 | 1.1 | 100 | 63 | 15 | M30X1.5 | 32 | 8 | 4 | 1 | 53 |
| | KRV 80 PP | KRVE 80 PP | 80 | 30 | 35 | 1.1 | 100 | 63 | 15 | M30X1.5 | 32 | 8 | 4 | 1 | 53 |
| | NUKR 80 | NUKRE 80 | 80 | 30 | 35 | 1.1 | 100 | 63 | 15 | M30X1.5 | 32 | 8 | 4 | 1 | 47 |
| 85 | KR 85 | KRE 85 | 85 | 30 | 35 | 1.1 | 100 | 63 | 15 | M30X1.5 | 32 | 8 | 4 | 1 | 53 |
| | KR 85 PP | KRE 85 PP | 85 | 30 | 35 | 1.1 | 100 | 63 | 15 | M30X1.5 | 32 | 8 | 4 | 1 | 53 |
| 90 | KR 90 | KRE 90 | 90 | 30 | 35 | 1.1 | 100 | 63 | 15 | M30X1.5 | 32 | 8 | 4 | 1 | 53 |
| | KR 90 PP | KRE 90 PP | 90 | 30 | 35 | 1.1 | 100 | 63 | 15 | M30X1.5 | 32 | 8 | 4 | 1 | 53 |
| | KRV 90 | KRVE 90 | 90 | 30 | 35 | 1.1 | 100 | 63 | 15 | M30X1.5 | 32 | 8 | 4 | 1 | 53 |
| | KRV 90 PP | KRVE 90 PP | 90 | 30 | 35 | 1.1 | 100 | 63 | 15 | M30X1.5 | 32 | 8 | 4 | 1 | 53 |
| | NUKR 90 | NUKRE 90 | 90 | 30 | 35 | 1.1 | 100 | 63 | 15 | M30X1.5 | 32 | 8 | 4 | 1 | 47 |

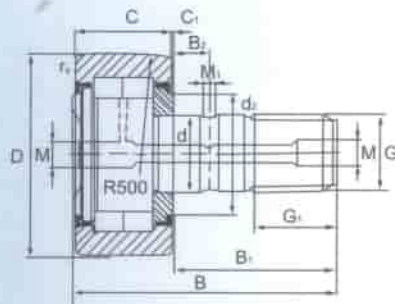
1) suffix "X" means the outer surface of the cylinder.

2) when the bearing outer ring (with outer cylinder surface) is fitted with general bearings in the seat holes, basic stable load C and C₀ should be used while used as rolling wheel, rated load C_r and C_{r0} should be used.

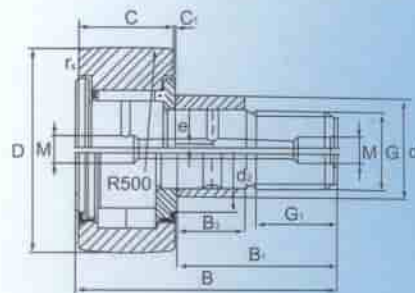
3) the rotating speed will increase by about 30% if oil lubricant is used.



KRV...PP

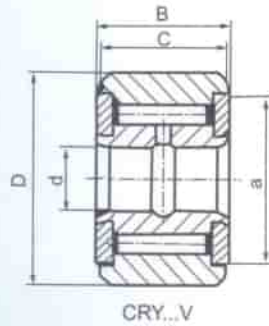


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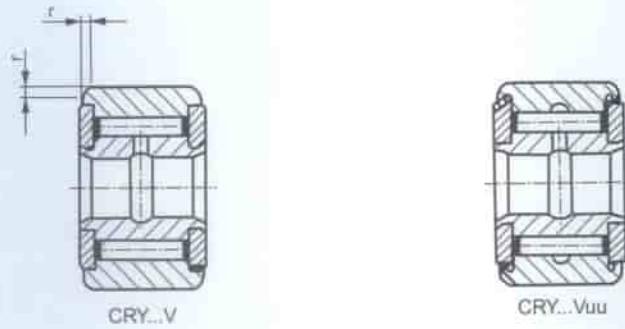


NUKRE

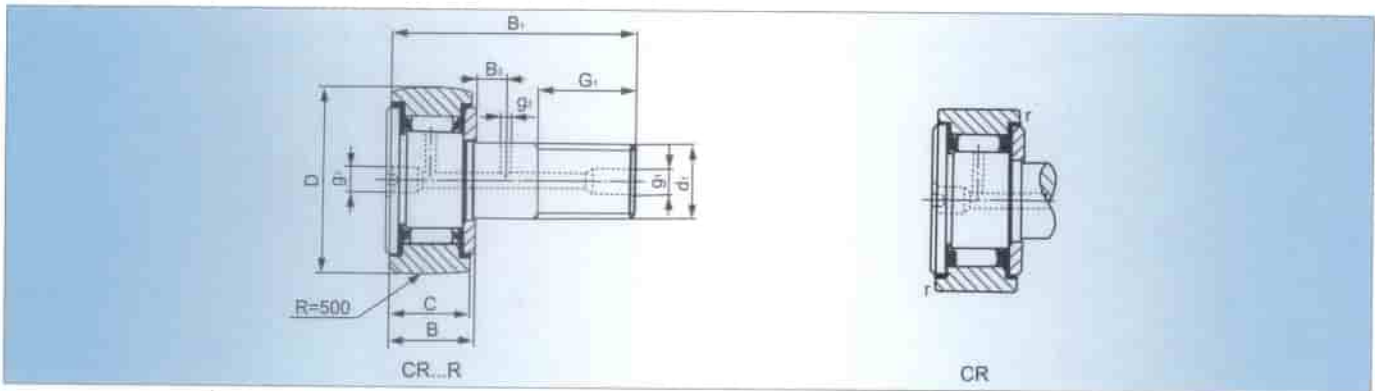
| d | B ₁ | e | M Nm | Basic Load Ratings | | | | Limiting Speed n _{lim} ~ min |
|----|----------------|-----|---------|----------------------------|---------------------|---------------------|----------------------|--|
| | | | | As yoke type track rollers | | | | |
| | | | | C N | C ₀ N | C _w N | C _{rw} N | |
| 24 | 18 | 1 | 120 | 19500 | 32000 | 15500 | 25500 | 4900 |
| 24 | 18 | 1 | 120 | 19500 | 32000 | 15500 | 25500 | 4900 |
| 24 | 18 | 1 | 120 | 28000 | 59000 | 20600 | 42000 | 2600 |
| 24 | 18 | 1 | 120 | 28000 | 59000 | 20600 | 42000 | 2600 |
| 24 | 18 | 1 | 120 | 39000 | 50000 | 28000 | 34500 | 4200 |
| 24 | 18 | 1 | 120 | 19500 | 32000 | 16800 | 28500 | 4900 |
| 24 | 18 | 1 | 120 | 19500 | 32000 | 16800 | 28500 | 4900 |
| 24 | 18 | 1 | 120 | 28000 | 59000 | 22500 | 48000 | 2600 |
| 24 | 18 | 1 | 120 | 28000 | 59000 | 22500 | 48000 | 2600 |
| 24 | 18 | 1 | 120 | 43500 | 60000 | 29000 | 37500 | 3400 |
| 28 | 22 | 1 | 220 | 30500 | 53000 | 26500 | 47500 | 3800 |
| 28 | 22 | 1 | 220 | 30500 | 53000 | 26500 | 47500 | 3800 |
| 28 | 22 | 1 | 220 | 41500 | 91000 | 34000 | 76000 | 2200 |
| 28 | 22 | 1 | 220 | 41500 | 91000 | 34000 | 76000 | 2200 |
| 28 | 22 | 1 | 220 | 59000 | 79000 | 40500 | 51000 | 2600 |
| 28 | 22 | 1 | 220 | 30500 | 53000 | 28000 | 53000 | 3800 |
| 28 | 22 | 1 | 220 | 30500 | 53000 | 28000 | 53000 | 3800 |
| 28 | 22 | 1 | 220 | 41500 | 91000 | 37000 | 85000 | 2200 |
| 28 | 22 | 1 | 220 | 41500 | 91000 | 37000 | 85000 | 2200 |
| 28 | 22 | 1 | 220 | 65000 | 93000 | 45000 | 61000 | 2100 |
| 35 | 29 | 1.5 | 450 | 45000 | 85000 | 39500 | 77000 | 2600 |
| 35 | 29 | 1.5 | 450 | 45000 | 85000 | 39500 | 77000 | 2600 |
| 35 | 29 | 1.5 | 450 | 60000 | 142000 | 49500 | 120000 | 1700 |
| 35 | 29 | 1.5 | 450 | 60000 | 142000 | 49500 | 120000 | 1700 |
| 35 | 29 | 1.5 | 450 | 95000 | 133000 | 67000 | 93000 | 1800 |
| 35 | 29 | 1.5 | 450 | 45000 | 85000 | 40500 | 80000 | 2600 |
| 35 | 29 | 1.5 | 450 | 45000 | 85000 | 40500 | 80000 | 2600 |
| 35 | 29 | 1.5 | 450 | 45000 | 85000 | 41500 | 83000 | 2600 |
| 35 | 29 | 1.5 | 450 | 45000 | 85000 | 41500 | 83000 | 2600 |
| 35 | 29 | 1.5 | 450 | 60000 | 142000 | 53000 | 130000 | 1700 |
| 35 | 29 | 1.5 | 450 | 60000 | 142000 | 53000 | 130000 | 1700 |
| 35 | 29 | 1.5 | 450 | 95000 | 133000 | 77000 | 110000 | 1800 |



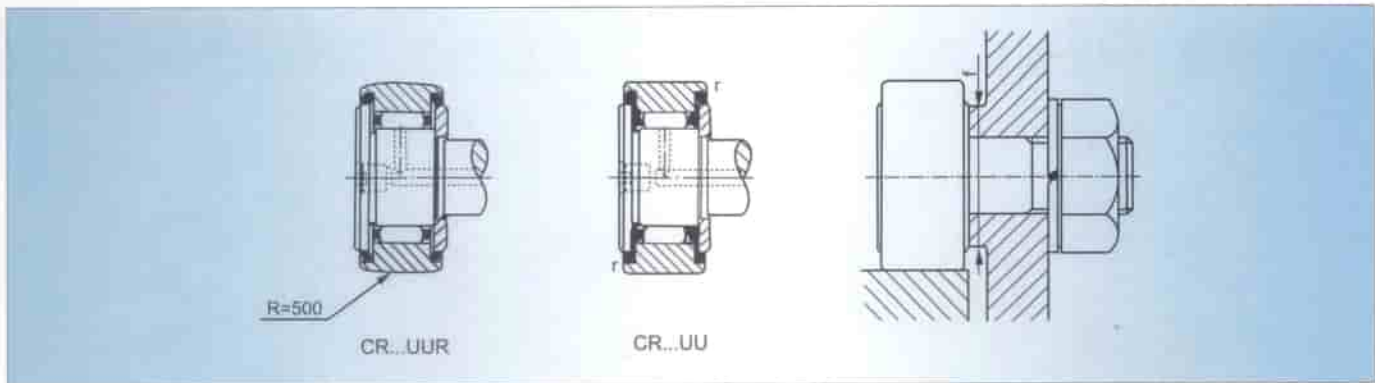
| Shaft Diameter mm | Bearing Designation | | Boundary Dimensions inch/mm | | | | |
|----------------------|---------------------|-------------|--------------------------------|--------|--------|--------|--------|
| | Basic type | Sealed type | d | D | B | | C |
| 6.350 | CRY 12 V | CRY 12 VUU | 6.350 | 19.050 | 0.5625 | 14.288 | 12.700 |
| | CRY 14 V | CRY 14 VUU | 6.350 | 22.225 | 0.5625 | 14.288 | 12.700 |
| 7.938 | CRY 16 V | CRY 16 VUU | 7.938 | 25.400 | 0.6875 | 17.463 | 15.875 |
| | CRY 18 V | CRY 18 VUU | 7.938 | 28.575 | 0.6875 | 17.463 | 15.875 |
| 9.525 | CRY 20 V | CRY 20 VUU | 9.525 | 31.750 | 0.8125 | 20.638 | 19.050 |
| | CRY 22 V | CRY 22 VUU | 9.525 | 34.925 | 0.8125 | 20.638 | 19.050 |
| 11.112 | CRY 24 V | CRY 24 VUU | 11.112 | 38.100 | 0.9375 | 23.813 | 22.225 |
| | CRY 26 V | CRY 26 VUU | 11.112 | 41.275 | 0.9375 | 23.813 | 22.225 |
| 12.700 | CRY 28 V | CRY 28 VUU | 12.700 | 44.450 | 1.0625 | 26.988 | 25.400 |
| | CRY 30 V | CRY 30 VUU | 12.700 | 47.625 | 1.0625 | 26.988 | 25.400 |
| 15.875 | CRY 32 V | CRY 32 VUU | 15.875 | 50.800 | 1.3125 | 33.338 | 31.750 |
| | CRY 36 V | CRY 36 VUU | 15.875 | 57.150 | 1.3125 | 33.338 | 31.750 |
| 19.050 | CRY 40 V | CRY 40 VUU | 19.050 | 63.500 | 1.5625 | 39.688 | 38.100 |
| | CRY 44 V | CRY 44 VUU | 19.050 | 69.850 | 1.5625 | 39.688 | 38.100 |



| | | standard mounting dimensions mm Shaft dia | | | | | | | | Basic Load Ratings | | Limiting Speed rpm |
|-------|------|--|--------|--------|-----------|--------|-----------|--------|------|--------------------|------|-----------------------|
| | | push fit | | | drive fit | | press fit | | | C | Co | |
| | a | r _{max} | Max. | Min. | Max. | Min. | Max. | Min. | kgf | kgf | | |
| 1.567 | 14.4 | 0.794 | 6.342 | 6.332 | 6.358 | 6.358 | 6.363 | 6.353 | 890 | 1250 | 8500 | |
| 1.567 | 14.4 | 0.794 | 6.342 | 6.332 | 6.358 | 6.358 | 6.363 | 6.353 | 890 | 1250 | 8500 | |
| 1.772 | 19.6 | 1.191 | 7.930 | 7.920 | 7.945 | 7.945 | 7.950 | 7.940 | 1330 | 2310 | 6300 | |
| 1.772 | 19.6 | 1.588 | 7.930 | 7.920 | 7.945 | 7.945 | 7.950 | 7.940 | 1330 | 2310 | 6300 | |
| 1.984 | 25.0 | 1.588 | 9.517 | 9.507 | 9.533 | 9.533 | 9.538 | 9.528 | 2400 | 3230 | 5500 | |
| 1.984 | 25.0 | 1.588 | 9.517 | 9.507 | 9.533 | 9.533 | 9.538 | 9.528 | 2400 | 3230 | 5500 | |
| 1.134 | 28.8 | 1.588 | 11.105 | 11.095 | 11.120 | 11.120 | 11.125 | 11.115 | 2870 | 4090 | 4700 | |
| 1.134 | 28.8 | 1.588 | 11.105 | 11.095 | 11.120 | 11.120 | 11.125 | 11.115 | 2870 | 4090 | 4700 | |
| 1.287 | 32.7 | 1.588 | 12.692 | 12.682 | 12.708 | 12.708 | 12.718 | 12.708 | 3590 | 5670 | 4000 | |
| 1.287 | 32.7 | 1.588 | 12.692 | 12.682 | 12.708 | 12.708 | 12.718 | 12.708 | 3590 | 5670 | 4000 | |
| 1.417 | 36.0 | 1.588 | 15.867 | 15.587 | 15.883 | 15.873 | 15.893 | 15.883 | 4660 | 8220 | 3600 | |
| 1.417 | 36.0 | 1.588 | 15.867 | 15.587 | 15.883 | 15.873 | 15.893 | 15.883 | 4660 | 8220 | 3600 | |
| 1.705 | 43.3 | 2.381 | 19.042 | 19.032 | 19.058 | 19.048 | 19.068 | 19.058 | 6260 | 11900 | 3000 | |
| 1.705 | 43.3 | 2.381 | 19.042 | 19.032 | 19.058 | 19.048 | 19.068 | 19.058 | 6260 | 11900 | 3000 | |



| Shaft Diameter mm (inch) | Bearing Designation | | | | Boundary Dimensions inch/mm | | | | |
|--------------------------------|----------------------------------|--------------------------------------|----------------------------------|--------------------------------------|--------------------------------|--------|--------|--------|--|
| | Basic type | | Sealed type | | | | | | |
| | With crowned outside diameter | With cylindrical outside diameter | With crowned outside diameter | With cylindrical outside diameter | d_1 | D | C | B | |
| 4.826 | CR 8 R | CR 8 | CR 8 UUR | CR 8 UU | 4.826 | 12.700 | 8.731 | 9.525 | |
| | CR 8-1 R | CR 8-1 | CR 8-1 UUR | CR 8-1 UU | 4.826 | 12.700 | 9.525 | 10.319 | |
| 6.350 | CR 10 R | CR 10 | CR 10 UUR | CR 10 UU | 6.350 | 15.875 | 10.319 | 11.112 | |
| | CR 10-1 R | CR 10-1 | CR 10-1 UUR | CR 10-1 UU | 6.350 | 15.875 | 11.112 | 11.906 | |
| 9.525 | CR 12 R | CR 12 | CR 12 UUR | CR 12 UU | 9.525 | 19.050 | 12.700 | 13.494 | |
| | CR 14 R | CR 14 | CR 14 UUR | CR 14 UU | 9.525 | 22.225 | 12.700 | 13.494 | |
| 11.112 | CR 16 R | CR 16 | CR 16 UUR | CR 16 UU | 11.112 | 25.400 | 15.875 | 16.669 | |
| | CR 18 R | CR 18 | CR 18 UUR | CR 18 UU | 11.112 | 28.575 | 15.875 | 16.669 | |
| 12.700 | CR 20 R | CR 20 | CR 20 UUR | CR 20 UU | 12.700 | 31.750 | 19.050 | 19.844 | |
| | CR 22 R | CR 22 | CR 22 UUR | CR 22 UU | 12.700 | 34.925 | 19.050 | 19.844 | |
| 15.875 | CR 24 R | CR 24 | CR 24 UUR | CR 24 UU | 15.875 | 38.100 | 22.225 | 23.019 | |
| | CR 26 R | CR 26 | CR 26 UUR | CR 26 UU | 15.875 | 41.275 | 22.225 | 23.019 | |
| 19.050 | CR 28 R | CR 28 | CR 28 UUR | CR 28 UU | 19.050 | 44.450 | 25.400 | 26.194 | |
| | CR 30 R | CR 30 | CR 30 UUR | CR 30 UU | 19.050 | 47.625 | 25.400 | 26.194 | |
| 22.225 | CR 32 R | CR 32 | CR 32 UUR | CR 32 UU | 22.225 | 50.800 | 31.750 | 32.544 | |
| | CR 36 R | CR 36 | CR 36 UUR | CR 36 UU | 22.225 | 57.150 | 31.750 | 32.544 | |



| | B ₁ | g ₁ | g ₂ | G ₁ | B ₂ | r | Mounting dimension mm | Maximum tightening torque kgf.m | Basic Load Ratings | | Limiting Speed rpm |
|--|----------------|----------------|----------------|----------------|----------------|-------|--------------------------|------------------------------------|--------------------|-----------------------|-----------------------|
| | | | | | | | | | C kgf | C ₀ kgf | |
| | 22.225 | 3.175 | - | 6.350 | - | 0.397 | 8.334 | 0.2 | 260 | 220 | 28000 |
| | 26.194 | 3.175 | - | 6.350 | - | 0.397 | 8.334 | 0.2 | 260 | 220 | 28000 |
| | 26.988 | 3.175 | - | 7.938 | - | 0.397 | 11.509 | 0.3 | 370 | 370 | 21000 |
| | 30.956 | 3.175 | - | 7.938 | - | 0.397 | 11.509 | 0.3 | 370 | 370 | 21000 |
| | 35.719 | 4.762 | 2.381 | 9.525 | 6.350 | 0.794 | 13.494 | 1.8 | 450 | 520 | 15000 |
| | 35.719 | 4.762 | 2.381 | 9.525 | 6.350 | 0.794 | 15.081 | 1.8 | 490 | 590 | 14000 |
| | 42.063 | 4.762 | 3.175 | 12.700 | 6.350 | 1.191 | 17.859 | 2.0 | 900 | 1100 | 13000 |
| | 42.063 | 4.762 | 3.175 | 12.700 | 6.350 | 1.588 | 19.050 | 2.0 | 940 | 1180 | 12000 |
| | 51.594 | 4.762 | 3.175 | 15.875 | 7.938 | 1.588 | 21.828 | 2.9 | 1450 | 1630 | 11000 |
| | 51.594 | 4.762 | 3.175 | 15.875 | 7.938 | 1.588 | 21.828 | 2.9 | 1450 | 1630 | 11000 |
| | 61.119 | 4.762 | 3.969 | 19.050 | 9.525 | 1.588 | 26.196 | 6.6 | 1890 | 2470 | 8500 |
| | 61.119 | 4.762 | 3.969 | 19.050 | 9.525 | 1.588 | 26.196 | 6.6 | 1890 | 2470 | 8500 |
| | 70.644 | 4.762 | 3.969 | 22.225 | 11.112 | 1.588 | 32.543 | 12 | 2560 | 3900 | 7000 |
| | 40.644 | 4.762 | 3.969 | 22.225 | 11.112 | 1.588 | 32.543 | 12 | 2560 | 3900 | 7000 |
| | 83.344 | 4.762 | 4.762 | 25.400 | 12.700 | 1.588 | 37.306 | 19 | 3310 | 6510 | 5500 |
| | 83.344 | 4.762 | 4.762 | 25.400 | 12.700 | 1.588 | 37.306 | 19 | 3310 | 6510 | 5500 |