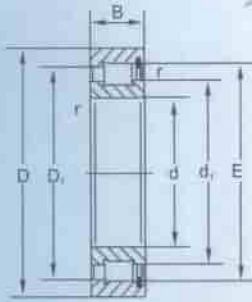


# CYLINDRICAL ROLLER BEARINGS

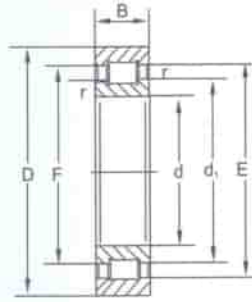


**Products range**

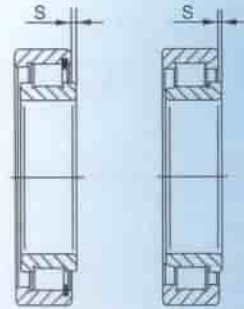
| Series | Structure description  |
|--------|--|
| SL04   | Cylindrical roller bearing, snap ring grooves, double row, full complement cylindrical roller set    |
| SL18   | Cylindrical roller bearing, full complement cylindrical roller set, semi-locating bearing            |
| SL19   | Cylindrical roller bearing, single row, full complement self-retaining cylindrical roller set, semi- |



SL1829,SL1830,SL1822  
(semi-locating bearings)

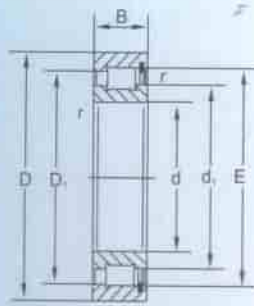


SL1923  
(semi-locating bearings)

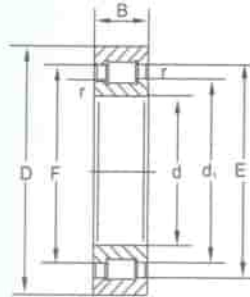


Axial displacement

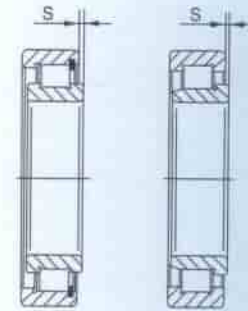
| Shaft Diameter | Designation of Center washers | Mass Approx | Boundary Dimensions |     |    |     |     | Mounting Dimensions |                |                |       | Basic Load Rating      |                       | Limiting Speed |
|----------------|-------------------------------|-------------|---------------------|-----|----|-----|-----|---------------------|----------------|----------------|-------|------------------------|-----------------------|----------------|
|                |                               |             | d                   | D   | B  | r   | s   | F                   | d <sub>i</sub> | D <sub>i</sub> | E     | C <sub>r</sub> Dynamic | C <sub>r</sub> Static |                |
| mm             |                               | kg          | mm                  |     |    |     |     | mm                  |                |                |       | N                      |                       | rpm            |
| 20             | SL 18 3004                    | 0.11        | 20                  | 42  | 16 | 0.6 | 1.5 | -                   | 29             | 33             | 36.5  | 22 000                 | 21 200                | 10 000         |
|                | SL 18 2204                    | 0.16        | 20                  | 47  | 18 | 1   | 1   | -                   | 30             | 37             | 41.5  | 32 800                 | 30 000                | 9 500          |
| 25             | SL 18 3005                    | 0.12        | 25                  | 47  | 16 | 0.6 | 1.5 | -                   | 34.5           | 38.5           | 42.5  | 25 200                 | 26 000                | 9 000          |
|                | SL 18 2205                    | 0.18        | 25                  | 52  | 18 | 1   | 1   | -                   | 35             | 42             | 46.5  | 36 800                 | 36 000                | 8 500          |
|                | SL 19 2305                    | 0.37        | 25                  | 62  | 24 | 1.6 | 2   | 31.72               | -              | 47.5           | -     | 52 000                 | 48 000                | 7 500          |
| 30             | SL 18 3006                    | 0.20        | 30                  | 55  | 19 | 1   | 2   | -                   | 40             | 45             | 49.5  | 32 400                 | 34 400                | 7 500          |
|                | SL 18 2206                    | 0.30        | 30                  | 62  | 20 | 1   | 1   | -                   | 42             | 50.5           | 55    | 50 400                 | 52 000                | 7 000          |
|                | SL 19 2306                    | 0.56        | 30                  | 72  | 27 | 1.1 | 2   | 38.30               | 43.5           | 56             | -     | 71 200                 | 70 400                | 6 500          |
| 35             | SL 18 3007                    | 0.26        | 35                  | 62  | 20 | 1   | 2   | -                   | 45             | 51             | 55.5  | 39 600                 | 44 000                | 6 500          |
|                | SL 18 2207                    | 0.44        | 35                  | 72  | 23 | 1.1 | 1   | -                   | 47             | 59             | 64    | 63 200                 | 63 200                | 6 000          |
|                | SL 19 2307                    | 0.74        | 35                  | 80  | 31 | 1.5 | 2   | 44.68               | 51             | 65.5           | -     | 90 400                 | 89 600                | 5 500          |
| 40             | SL 18 3008                    | 0.31        | 40                  | 68  | 21 | 1   | 2   | -                   | 50.5           | 57.5           | 61.5  | 47 200                 | 54 400                | 6 000          |
|                | SL 18 2208                    | 0.55        | 40                  | 80  | 23 | 1.1 | 1   | -                   | 54             | 66             | 71    | 69 600                 | 66 400                | 5 500          |
|                | SL 19 2308                    | 1.01        | 40                  | 90  | 33 | 1.5 | 2   | 51.12               | 57.5           | 75             | -     | 121 600                | 124 800               | 5 000          |
| 45             | SL 18 3009                    | 0.40        | 45                  | 75  | 23 | 1   | 2   | -                   | 55.5           | 62             | 66.5  | 50 400                 | 60 800                | 5 500          |
|                | SL 18 2209                    | 0.59        | 45                  | 85  | 23 | 1.1 | 1   | -                   | 57.5           | 69.5           | 74.5  | 72 000                 | 79 200                | 5 000          |
|                | SL 19 2309                    | 1.37        | 45                  | 100 | 36 | 1.5 | 3   | 56.10               | 62.5           | 80             | -     | 129 600                | 137 600               | 4 500          |
| 50             | SL 18 3010                    | 0.43        | 50                  | 80  | 23 | 1   | 2   | -                   | 59.00          | 67.5           | 72    | 63 200                 | 76 800                | 5 000          |
|                | SL 18 2210                    | 0.64        | 50                  | 90  | 23 | 1.1 | 1   | -                   | 64.5           | 76.5           | 81.5  | 77 600                 | 90 400                | 4 600          |
|                | SL 19 2310                    | 1.81        | 50                  | 110 | 40 | 2   | 3   | 60.72               | 68.5           | 89.5           | -     | 166 400                | 175 400               | 4 100          |
| 55             | SL 18 3011                    | 0.64        | 55                  | 90  | 26 | 1.1 | 2   | -                   | 68.5           | 78.5           | 83.5  | 85 600                 | 110 400               | 4 500          |
|                | SL 18 2211                    | 0.87        | 55                  | 100 | 25 | 1.5 | 1.5 | -                   | 70             | 83.5           | 89    | 100 000                | 120 000               | 4 200          |
|                | SL 19 2311                    | 2.28        | 55                  | 120 | 43 | 2   | 3   | 67.11               | 75.5           | 99             | -     | 193 600                | 204 000               | 3 700          |
| 60             | SL 18 2912                    | 0.29        | 60                  | 85  | 16 | 1   | 1   | -                   | 69             | 74.5           | 78.5  | 45 600                 | 62 400                | 4 500          |
|                | SL 18 3012                    | 0.69        | 60                  | 95  | 26 | 1.1 | 2   | -                   | 71.5           | 81.5           | 86.5  | 88 000                 | 116 000               | 4 200          |
|                | SL 18 2212                    | 1.18        | 60                  | 110 | 28 | 1.5 | 1.5 | -                   | 77             | 93             | 99    | 121 600                | 144 000               | 3 800          |
|                | SL 19 2312                    | 2.88        | 60                  | 130 | 46 | 2.1 | 3   | 73.62               | 82             | 105.5          | -     | 208 000                | 224 000               | 3 400          |
| 65             | SL 18 2913                    | 0.31        | 65                  | 90  | 16 | 1   | 1   | -                   | 75.5           | 81             | 85    | 48 000                 | 68 800                | 4 200          |
|                | SL 18 3013                    | 0.73        | 65                  | 100 | 26 | 1.1 | 2   | -                   | 78             | 88             | 93    | 92 800                 | 127 200               | 3 900          |
|                | SL 18 2213                    | 1.57        | 65                  | 120 | 31 | 1.5 | 1.5 | -                   | 82.5           | 100            | 106   | 142 400                | 171 200               | 3 500          |
|                | SL 19 2313                    | 3.52        | 65                  | 140 | 48 | 2.1 | 3.5 | 80.69               | 90             | 116            | -     | 252 000                | 284 000               | 3 200          |
| 70             | SL 18 2914                    | 0.49        | 70                  | 100 | 19 | 1   | 1   | -                   | 81             | 87.5           | 92.5  | 63 200                 | 91 200                | 3 800          |
|                | SL 18 3014                    | 1.02        | 70                  | 110 | 30 | 1.1 | 3   | -                   | 81.5           | 95             | 100   | 109 600                | 140 800               | 3 600          |
|                | SL 18 2214                    | 1.66        | 70                  | 125 | 31 | 1.5 | 1.5 | -                   | 87             | 105            | 111   | 147 200                | 181 600               | 3 300          |
|                | SL 19 2314                    | 4.33        | 70                  | 150 | 51 | 2.1 | 3.5 | 84.14               | 94             | 121            | -     | 276 000                | 312 000               | 2 900          |
| 75             | SL 18 2915                    | 0.52        | 75                  | 105 | 19 | 1   | 1   | -                   | 86             | 93             | 97.5  | 64 800                 | 96 800                | 3 600          |
|                | SL 18 3015                    | 1.06        | 75                  | 115 | 30 | 1.1 | 3   | -                   | 89             | 102.5          | 107.5 | 116 000                | 155 200               | 3 400          |
|                | SL 18 2215                    | 1.75        | 75                  | 130 | 31 | 1.5 | 1.5 | -                   | 91.5           | 110            | 116   | 152 000                | 192 800               | 3 200          |



SL1829, SL1830, SL1822  
(semi-locating bearings)

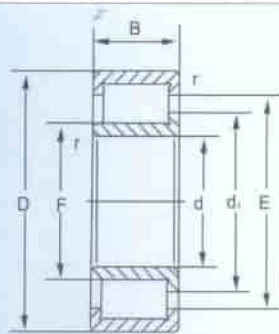


SL1923  
(semi-locating bearings)

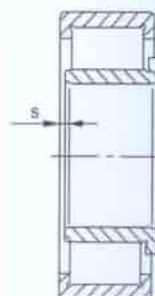


Axial displacement

| Shaft Diameter | Designation of Center washers | Mass | Boundary Dimensions |     |    |     |     | Mounting Dimensions |                |                |       | Basic Load Rating    |                     | Limiting Speed |
|----------------|-------------------------------|------|---------------------|-----|----|-----|-----|---------------------|----------------|----------------|-------|----------------------|---------------------|----------------|
|                |                               |      | d                   | D   | B  | r   | s   | F                   | d <sub>1</sub> | D <sub>1</sub> | E     | C <sub>Dynamic</sub> | C <sub>Static</sub> |                |
| mm             |                               | kg   | mm                  |     |    |     |     | mm                  |                |                |       | N                    |                     | rpm            |
| 80             | SL 18 2916                    | 0.55 | 80                  | 110 | 19 | 1   | 1   | -                   | 91             | 98             | 102   | 67 200               | 103 200             | 3 400          |
|                | SL 18 3016                    | 1.43 | 80                  | 125 | 34 | 1.1 | 4   | -                   | 95             | 111            | 117   | 138 400              | 180 000             | 3 200          |
|                | SL 18 2216                    | 2.15 | 80                  | 140 | 33 | 2   | 1.5 | -                   | 98.5           | 119            | 126   | 180 800              | 228 000             | 2 900          |
|                | SL 19 2316                    | 6.32 | 80                  | 170 | 58 | 2.1 | 3.5 | 98.24               | 109.5          | 141.5          | -     | 384 000              | 448 000             | 2 600          |
| 85             | SL 18 2917                    | 0.81 | 85                  | 120 | 22 | 1.1 | 1   | -                   | 96             | 105            | 109   | 84 000               | 129 600             | 3 200          |
|                | SL 18 3017                    | 1.51 | 85                  | 130 | 34 | 1.1 | 4   | -                   | 99.5           | 115.5          | 121   | 142 400              | 189 600             | 3 000          |
|                | SL 18 2217                    | 2.74 | 85                  | 150 | 36 | 2   | 1.5 | -                   | 104.5          | 126            | 133   | 204 000              | 260 000             | 2 800          |
|                | SL 19 2317                    | 7.34 | 85                  | 180 | 60 | 3   | 4   | 107.01              | 118.5          | 150.5          | -     | 408 000              | 496 000             | 2 400          |
| 90             | SL 18 2918                    | 0.84 | 90                  | 125 | 22 | 1.1 | 1   | -                   | 102            | 110.5          | 115   | 87 200               | 137 600             | 3 000          |
|                | SL 18 3018                    | 1.97 | 90                  | 140 | 37 | 1.5 | 4   | -                   | 106            | 124            | 130   | 166 400              | 22 000              | 2 800          |
|                | SL 18 2218                    | 3.48 | 90                  | 160 | 40 | 2   | 2.5 | -                   | 110            | 133            | 140.5 | 232 000              | 296 000             | 2 600          |
|                | SL 19 2318                    | 8.83 | 90                  | 190 | 64 | 3   | 4   | 105.26              | 117.5          | 152            | -     | 448 000              | 528 000             | 2 300          |
| 95             | SL 18 2919                    | 0.86 | 95                  | 130 | 22 | 1.1 | 1   | -                   | 106.5          | 117            | 122   | 94 400               | 143 200             | 2 900          |
|                | SL 18 2219                    | 4.17 | 95                  | 170 | 43 | 2.1 | 2.5 | -                   | 122            | 147            | 155.5 | 272 000              | 348 000             | 2 400          |
|                | SL 19 2319                    | 10.2 | 95                  | 200 | 67 | 3   | 4   | 114.66              | 127            | 161.5          | -     | 464 000              | 576 000             | 2 200          |
| 100            | SL 18 2920                    | 1.14 | 100                 | 140 | 24 | 1.1 | 1.5 | -                   | 113.5          | 125.5          | 130   | 108 800              | 164 800             | 2 700          |
|                | SL 18 3020                    | 2.15 | 100                 | 150 | 37 | 1.5 | 4   | -                   | 115.5          | 133.5          | 139   | 175 200              | 248 000             | 2 600          |
|                | SL 19 2220                    | 5.13 | 100                 | 180 | 46 | 2.1 | 2.5 | -                   | 127.5          | 154            | 163   | 316 000              | 416 000             | 2 300          |
| 110            | SL 18 2922                    | 1.23 | 110                 | 150 | 24 | 1.1 | 1.5 | -                   | 124            | 136            | 141   | 112 000              | 176 000             | 2 500          |
|                | SL 18 3022                    | 3.50 | 110                 | 170 | 45 | 2   | 5.5 | -                   | 127.5          | 149            | 156   | 228 000              | 316 000             | 2 300          |
|                | SL 19 2222                    | 7.24 | 110                 | 200 | 53 | 2.1 | 4   | -                   | 137            | 167            | 177   | 364 000              | 472 000             | 2 100          |
| 120            | SL 18 2924                    | 1.73 | 120                 | 165 | 27 | 1.1 | 1.5 | -                   | 135            | 148.5          | 154   | 144 000              | 236 000             | 2 300          |
|                | SL 18 3024                    | 3.80 | 120                 | 180 | 46 | 2   | 5.5 | -                   | 139            | 160.5          | 167   | 240 000              | 348 000             | 2 200          |
| 130            | SL 18 2926                    | 2.33 | 130                 | 180 | 30 | 1.5 | 2   | -                   | 146            | 161            | 166   | 171 000              | 284 000             | 2 100          |
|                | SL 18 3026                    | 5.65 | 130                 | 200 | 52 | 2   | 5.5 | -                   | 148.5          | 175            | 183   | 348 000              | 496 000             | 2 000          |
| 140            | SL 18 2928                    | 2.42 | 140                 | 190 | 30 | 1.5 | 2   | -                   | 157            | 173.5          | 179   | 185 000              | 308 000             | 2 000          |

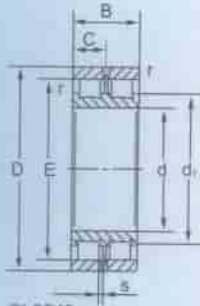


ZSL 1923

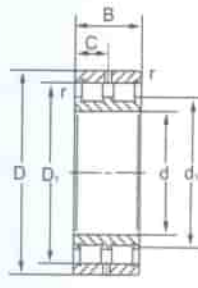


Axial displacement

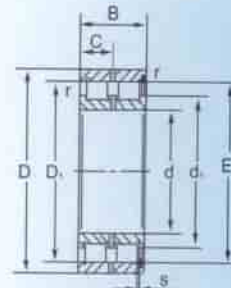
| Shaft Diameter | Designation of Center washers | Mass | Boundary Dimensions |     |    |     |     | Mounting Dimensions |                |                | Basic Load Rating    |                     | Limiting Speed |
|----------------|-------------------------------|------|---------------------|-----|----|-----|-----|---------------------|----------------|----------------|----------------------|---------------------|----------------|
|                |                               |      | d                   | D   | B  | r   | s   | F                   | d <sub>1</sub> | D <sub>1</sub> | C <sub>Dynamic</sub> | C <sub>Static</sub> |                |
| mm             |                               | kg   | mm                  |     |    |     |     | mm                  |                |                | N                    |                     | rpm            |
| 25             | ZSL 19 2305                   | 0.36 | 25                  | 62  | 24 | 1.1 | 2   | 31.72               | 37             | 47.5           | 48 000               | 44 000              | 16 000         |
| 30             | ZSL 19 2306                   | 0.55 | 30                  | 72  | 27 | 1.1 | 2   | 38.30               | 43.5           | 56             | 67 000               | 64 000              | 14 000         |
| 35             | ZSL 19 2307                   | 0.72 | 35                  | 80  | 31 | 1.5 | 2   | 44.68               | 51             | 65.5           | 84 000               | 83 000              | 12 000         |
| 40             | ZSL 19 2308                   | 1    | 40                  | 90  | 33 | 1.5 | 2   | 51.12               | 57.5           | 75             | 114 000              | 115 000             | 11 000         |
| 45             | ZSL 19 2309                   | 1.34 | 45                  | 100 | 36 | 1.5 | 3   | 56.10               | 62.5           | 80             | 122 000              | 128 000             | 10 000         |
| 50             | ZSL 19 2310                   | 1.76 | 50                  | 110 | 40 | 2   | 3   | 60.72               | 68.5           | 89.5           | 156 000              | 161 000             | 9 000          |
| 55             | ZSL 19 2311                   | 2.22 | 55                  | 120 | 43 | 2   | 3   | 67.11               | 75.5           | 99             | 182 000              | 188 000             | 8 000          |
| 60             | ZSL 19 2312                   | 2.82 | 60                  | 130 | 46 | 2.1 | 3   | 73.62               | 82             | 105.5          | 195 000              | 208 000             | 7 400          |
| 65             | ZSL 19 2313                   | 3.44 | 65                  | 140 | 48 | 2.1 | 3.5 | 80.69               | 90             | 116            | 240 000              | 264 000             | 6 800          |
| 70             | ZSL 19 2314                   | 4.27 | 70                  | 150 | 51 | 2.1 | 3.5 | 84.14               | 94             | 121            | 264 000              | 292 000             | 6 400          |
| 75             | ZSL 19 2315                   | 5.2  | 75                  | 160 | 55 | 2.1 | 3.5 | 91.22               | 101.5          | 131.5          | 312 000              | 352 000             | 6 000          |
| 80             | ZSL 19 2316                   | 6.2  | 80                  | 170 | 58 | 2.1 | 3.5 | 98.24               | 109.5          | 142            | 364 000              | 416 000             | 5 600          |
| 85             | ZSL 19 2317                   | 7.23 | 85                  | 180 | 60 | 3   | 4   | 107.01              | 118.5          | 150.5          | 388 000              | 456 000             | 5 300          |
| 90             | ZSL 19 2318                   | 8.7  | 90                  | 190 | 64 | 3   | 4   | 105.26              | 117.5          | 152            | 424 000              | 488 000             | 5 000          |
| 95             | ZSL 19 2319                   | 10   | 95                  | 200 | 67 | 3   | 4   | 114.66              | 127            | 161.5          | 448 000              | 536 000             | 4 800          |



SL0249  
(Non-locating bearings)

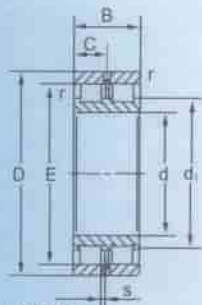


SL0148, SL0149  
(locating bearings)

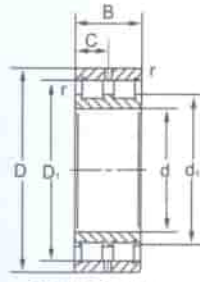


SL1850  
(Semi-locating bearings)

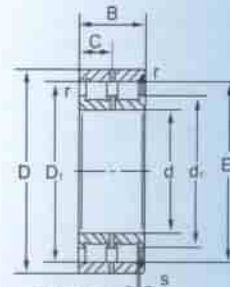
| Shaft Diameter | Bearing Designation                |                               |                                   | Mass | Boundary Dimensions |     |    |     |           | Mounting Dimensions |       |                |                | Basic Load Rating |                      | Limiting Speed |
|----------------|------------------------------------|-------------------------------|-----------------------------------|------|---------------------|-----|----|-----|-----------|---------------------|-------|----------------|----------------|-------------------|----------------------|----------------|
|                | Semi-locating bearings Designation | locating bearings Designation | Non-locating bearings Designation |      | Approx              | d   | D  | B   | $r_{min}$ | s                   | C     | d <sub>1</sub> | D <sub>1</sub> | E                 | C <sub>Dynamic</sub> |                |
|                |                                    |                               |                                   | kg   | mm                  |     |    |     |           | mm                  |       |                |                | N                 |                      | rpm            |
| 20             | SL 18 5004                         | -                             | -                                 | 0.2  | 20                  | 42  | 30 | 0.6 | 1         | 15                  | 29    | 33             | 36.5           | 47 500            | 53 000               | 10 000         |
| 25             | SL 18 5005                         | -                             | -                                 | 0.23 | 25                  | 47  | 30 | 0.6 | 1         | 15                  | 34.5  | 38.5           | 42.5           | 54 000            | 65 000               | 9 000          |
| 30             | SL 18 5006                         | -                             | -                                 | 0.35 | 30                  | 55  | 34 | 1   | 1.5       | 17                  | 40    | 45.5           | 49.5           | 70 000            | 86 000               | 7 500          |
| 35             | SL 18 5007                         | -                             | -                                 | 0.46 | 35                  | 62  | 36 | 1   | 1.5       | 18                  | 45    | 51.5           | 55.5           | 85 000            | 109 000              | 6 500          |
| 40             | SL 18 5008                         | -                             | -                                 | 0.56 | 40                  | 68  | 38 | 1   | 1.5       | 19                  | 50.5  | 57.5           | 61.5           | 101 000           | 136 000              | 6 000          |
| 45             | SL 18 5009                         | -                             | -                                 | 0.71 | 45                  | 75  | 40 | 1   | 1.5       | 20                  | 55.5  | 62.5           | 66.5           | 108 000           | 151 000              | 5 500          |
| 50             | SL 18 5010                         | -                             | -                                 | 0.76 | 50                  | 80  | 40 | 1   | 1.5       | 20                  | 59    | 67.5           | 72             | 135 000           | 191 000              | 5 000          |
| 55             | SL 18 5011                         | -                             | -                                 | 1.16 | 55                  | 90  | 46 | 1.1 | 1.5       | 23                  | 68.5  | 78.5           | 83.5           | 184 000           | 275 000              | 4 500          |
| 60             | -                                  | SL 01 4912                    | -                                 | 0.49 | 60                  | 85  | 25 | 1   | -         | 12.5                | 70.5  | 73.5           | -              | 71 000            | 125 000              | 4 500          |
|                | -                                  | -                             | SL 02 4912                        | 0.47 | 60                  | 85  | 25 | 1   | 1         | 12.5                | 70.5  | -              | 77             | 71 000            | 125 000              | 4 500          |
|                | SL 18 5012                         | -                             | -                                 | 1.24 | 60                  | 95  | 46 | 1.1 | 1.5       | 23                  | 71.5  | 82             | 86.5           | 189 000           | 290 000              | 4 200          |
| 65             | SL 18 5013                         | -                             | -                                 | 1.32 | 65                  | 100 | 46 | 1.1 | 1.5       | 23                  | 78    | 88             | 93             | 199 000           | 320 000              | 3 900          |
| 70             | -                                  | SL 01 4914                    | -                                 | 0.78 | 70                  | 100 | 30 | 1   | -         | 15                  | 83    | 87             | -              | 108 000           | 189 000              | 3 800          |
|                | -                                  | -                             | SL 02 4914                        | 0.75 | 70                  | 100 | 30 | 1   | 1         | 15                  | 83    | -              | 91             | 108 000           | 189 000              | 3 800          |
|                | SL 18 5014                         | -                             | -                                 | 1.85 | 70                  | 110 | 54 | 1.1 | 3         | 27                  | 81.5  | 95             | 100            | 235 000           | 355 000              | 3 600          |
| 75             | SL 18 5015                         | -                             | -                                 | 1.93 | 75                  | 115 | 54 | 1.1 | 3         | 27                  | 89    | 103            | 107.5          | 248 000           | 390 000              | 3 400          |
| 80             | -                                  | SL 01 4916                    | -                                 | 0.88 | 80                  | 110 | 30 | 1   | -         | 15                  | 92    | 96             | -              | 115 000           | 211 000              | 3 400          |
|                | -                                  | -                             | SL 02 4916                        | 0.85 | 80                  | 110 | 30 | 1   | 1         | 15                  | 92    | -              | 100            | 115 000           | 211 000              | 3 400          |
|                | SL 18 5016                         | -                             | -                                 | 2.59 | 80                  | 125 | 60 | 1.1 | 3.5       | 30                  | 95    | 111            | 117            | 295 000           | 450 000              | 3 200          |
| 85             | SL 18 5017                         | -                             | -                                 | 2.72 | 85                  | 130 | 60 | 1.1 | 3.5       | 30                  | 99.5  | 115.5          | 121            | 305 000           | 475 000              | 3 000          |
| 90             | -                                  | SL 01 4918                    | -                                 | 1.35 | 90                  | 125 | 35 | 1.1 | -         | 17.5                | 103   | 110            | -              | 155 000           | 295 000              | 3 000          |
|                | -                                  | -                             | SL 02 4918                        | 1.3  | 90                  | 125 | 35 | 1.1 | 1.5       | 17.5                | 103   | -              | 115            | 155 000           | 295 000              | 3 000          |
|                | SL 18 5018                         | -                             | -                                 | 3.62 | 90                  | 140 | 67 | 1.5 | 4         | 33.5                | 106.5 | 124            | 130            | 355 000           | 560 000              | 2 800          |



SL0249  
(Non-locating bearings)

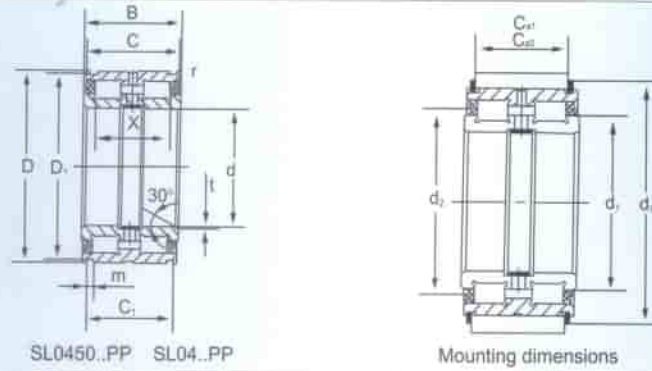


SL0148, SL0149  
(locating bearings)



SL1850  
(Semi-locating bearings)

| Shaft Diameter<br>mm | Bearing Designation                |                               |                                   | Mass<br>Approx<br>kg | Boundary Dimensions |     |    |                 |   | Mounting Dimensions |                |                |     | Basic Load Rating    |                     | Limiting Speed<br>rpm |
|----------------------|------------------------------------|-------------------------------|-----------------------------------|----------------------|---------------------|-----|----|-----------------|---|---------------------|----------------|----------------|-----|----------------------|---------------------|-----------------------|
|                      | Semi-locating bearings Designation | locating bearings Designation | Non-locating bearings Designation |                      | d                   | D   | B  | r <sub>mm</sub> | s | F                   | d <sub>i</sub> | D <sub>i</sub> | E   | C <sub>Dynamic</sub> | C <sub>Static</sub> |                       |
|                      |                                    |                               |                                   |                      | mm                  |     |    |                 |   | mm                  |                |                |     | N                    |                     |                       |
| 100                  | -                                  | SL 01 4920                    | -                                 | 1.95                 | 100                 | 140 | 40 | 1.1             | - | 20                  | 116.5          | 124.5          | -   | 196 000              | 380 000             | 2 700                 |
|                      | -                                  | -                             | SL 02 4920                        | 1.90                 | 100                 | 140 | 40 | 1.1             | 2 | 20                  | 116.5          | -              | 129 | 196 000              | 380 000             | 2 700                 |
|                      | SL 18 5020                         | -                             | -                                 | 3.94                 | 100                 | 150 | 67 | 1.5             | 4 | 33.5                | 116            | 133.5          | 139 | 375 000              | 620 000             | 2 600                 |
| 110                  | -                                  | SL 01 4922                    | -                                 | 2.15                 | 110                 | 150 | 40 | 1.1             | - | 20                  | 125            | 133.5          | -   | 204 000              | 410 000             | 2 500                 |
|                      | -                                  | -                             | SL 02 4922                        | 2.10                 | 110                 | 150 | 40 | 1.1             | 2 | 20                  | 125            | -              | 138 | 204 000              | 410 000             | 2 500                 |
|                      | SL 18 5022                         | -                             | -                                 | 6.32                 | 110                 | 170 | 80 | 2               | 5 | 40                  | 127.5          | 148.5          | 156 | 490 000              | 790 000             | 2 300                 |
| 120                  | -                                  | SL 01 4924                    | -                                 | 2.95                 | 120                 | 165 | 45 | 1.1             | - | 22.5                | 139            | 148            | -   | 228 000              | 455 000             | 2 300                 |
|                      | -                                  | -                             | SL 02 4924                        | 2.85                 | 120                 | 165 | 45 | 1.1             | 3 | 22.5                | 139            | -              | 153 | 228 000              | 455 000             | 2 300                 |
|                      | SL 18 5024                         | -                             | -                                 | 6.77                 | 120                 | 180 | 80 | 2               | 5 | 40                  | 139            | 160            | 167 | 520 000              | 870 000             | 2 200                 |
| 130                  | -                                  | SL 01 4926                    | -                                 | 3.95                 | 130                 | 180 | 50 | 1.5             | - | 25                  | 149.5          | 159.5          | -   | 212 000              | 424 000             | 2 100                 |
|                      | -                                  | -                             | SL 02 4926                        | 3.80                 | 130                 | 180 | 50 | 1.5             | 4 | 25                  | 149.5          | -              | 165 | 212 000              | 424 000             | 2 100                 |
|                      | SL 18 5026                         | -                             | -                                 | 10.20                | 130                 | 200 | 95 | 2               | 5 | 47.5                | 149            | 174.5          | 183 | 592 000              | 984 000             | 2 000                 |
| 140                  | -                                  | SL 01 4928                    | -                                 | 4.20                 | 140                 | 190 | 50 | 1.5             | - | 25                  | 160            | 170            | -   | 220 000              | 456 000             | 2 000                 |
|                      | -                                  | -                             | SL 02 4928                        | 4.10                 | 140                 | 190 | 50 | 1.5             | 4 | 25                  | 160            | -              | 176 | 220 000              | 456 000             | 2 000                 |
| 150                  | -                                  | SL 01 4830                    | -                                 | 2.90                 | 150                 | 190 | 40 | 1.1             | - | 20                  | 166            | 173            | -   | 189 000              | 440 000             | 1 900                 |
|                      | -                                  | -                             | SL 02 4830                        | 2.80                 | 150                 | 190 | 40 | 2               | 2 | 20                  | 166            | -              | 178 | 189 000              | 440 000             | 1 900                 |



| Shaft Diameter | Bearing Designation | Mass | Boundary Dimensions |     |    |    |                |                |     |     |     |      | Basic Load Rating      |                       | Limiting Speed | Mounting Dimensions |                |                |                |                |
|----------------|---------------------|------|---------------------|-----|----|----|----------------|----------------|-----|-----|-----|------|------------------------|-----------------------|----------------|---------------------|----------------|----------------|----------------|----------------|
|                |                     |      | d                   | D   | B  | C  | C <sub>1</sub> | D <sub>1</sub> | m   | r   | t   | x    | C <sub>D</sub> Dynamic | C <sub>S</sub> Static |                | C <sub>1</sub>      | C <sub>2</sub> | d <sub>1</sub> | d <sub>2</sub> | d <sub>3</sub> |
| mm             |                     | kg   | mm                  |     |    |    |                |                |     |     |     |      | N                      |                       | rpm            | mm                  |                |                |                |                |
| 20             | SL04 5004 PP        | 0.20 | 20                  | 42  | 30 | 29 | 24.7           | 39.8           | 1.8 | 0.3 | 0.5 | 22.5 | 32 000                 | 39 000                | 4 000          | 21.5                | 21             | 31             | 34             | 47             |
| 25             | SL04 5005 PP        | 0.24 | 25                  | 47  | 30 | 29 | 24.7           | 44.8           | 1.8 | 0.3 | 0.5 | 22.5 | 35 000                 | 46 000                | 3 600          | 21.5                | 21             | 35.5           | 39             | 52             |
| 30             | SL04 5006 PP        | 0.37 | 30                  | 55  | 34 | 33 | 28.2           | 52.8           | 2.1 | 0.3 | 0.5 | 25.5 | 40 000                 | 53 000                | 3 000          | 25                  | 24             | 41             | 44             | 60             |
| 35             | SL04 5007 PP        | 0.48 | 35                  | 62  | 36 | 35 | 30.2           | 59.8           | 2.1 | 0.3 | 0.5 | 27.5 | 40 000                 | 70 000                | 2 600          | 27                  | 26             | 46.5           | 50             | 67             |
| 40             | SL04 5008 PP        | 0.56 | 40                  | 68  | 38 | 37 | 32.2           | 65.8           | 2.7 | 0.6 | 0.5 | 28.5 | 60 000                 | 82 000                | 2 400          | 28                  | 27             | 51.5           | 55             | 75             |
| 45             | SL04 5009 PP        | 0.70 | 45                  | 75  | 40 | 39 | 34.2           | 72.8           | 2.7 | 0.6 | 1   | 30.5 | 73 000                 | 104 000               | 2 200          | 30                  | 29             | 57.5           | 61             | 82             |
| 50             | SL04 5010 PP        | 0.76 | 50                  | 80  | 40 | 39 | 34.2           | 77.8           | 2.7 | 0.6 | 1   | 30.5 | 77 000                 | 113 000               | 2 000          | 30                  | 29             | 62             | 66             | 87             |
| 55             | SL04 5011 PP        | 1.18 | 55                  | 90  | 46 | 45 | 40.2           | 87.4           | 3.2 | 0.6 | 1   | 36   | 92 000                 | 140 000               | 1 800          | 35                  | 34             | 69             | 73             | 99             |
| 60             | SL04 5012 PP        | 1.26 | 60                  | 95  | 46 | 45 | 40.2           | 92.4           | 3.2 | 0.6 | 1   | 36   | 96 000                 | 151 000               | 1 700          | 35                  | 34             | 71             | 79             | 104            |
| 65             | SL04 5013 PP        | 1.33 | 65                  | 100 | 46 | 45 | 40.2           | 97.4           | 3.2 | 0.6 | 1   | 36   | 100 000                | 162 000               | 1 600          | 35                  | 34             | 79             | 84             | 109            |
| 70             | SL04 5014 PP        | 1.87 | 70                  | 110 | 54 | 53 | 48.2           | 107.1          | 3.2 | 0.6 | 1.5 | 42   | 134 000                | 212 000               | 1 400          | 43                  | 40             | 85             | 91             | 119            |
| 75             | SL04 5015 PP        | 1.96 | 75                  | 115 | 54 | 53 | 48.2           | 112.1          | 4.2 | 0.6 | 1.5 | 42   | 155 000                | 150 000               | 1 400          | 43                  | 40             | 90             | 97             | 124            |
| 80             | SL04 5016 PP        | 2.71 | 80                  | 125 | 60 | 59 | 54.2           | 122.1          | 4.2 | 0.6 | 1.5 | 48   | 162 000                | 260 000               | 1 300          | 49                  | 46             | 97.5           | 105            | 137            |
| 85             | SL04 5017 PP        | 2.83 | 85                  | 130 | 60 | 59 | 54.2           | 127.1          | 4.2 | 0.6 | 1.5 | 48   | 168 000                | 280 000               | 1 200          | 49                  | 46             | 104.5          | 112            | 142            |
| 90             | SL04 5018 PP        | 3.71 | 90                  | 140 | 67 | 66 | 59.2           | 137            | 4.2 | 0.6 | 1.5 | 54   | 244 000                | 408 000               | 1 100          | 54                  | 51             | 109.5          | 118            | 152            |
| 95             | SL04 5019 PP        | 3.88 | 95                  | 145 | 67 | 66 | 59.2           | 142            | 4.2 | 0.6 | 1.5 | 54   | 252 000                | 424 000               | 1 100          | 54                  | 51             | 114            | 122            | 157            |
| 100            | SL04 5020 PP        | 3.95 | 100                 | 150 | 67 | 66 | 59.2           | 147            | 4.2 | 0.6 | 1.5 | 54   | 264 000                | 440 000               | 1 000          | 54                  | 51             | 118            | 128            | 162            |
| 110            | SL04 5022 PP        | 6.57 | 110                 | 170 | 80 | 79 | 70.2           | 167            | 4.2 | 0.6 | 1.5 | 64   | 316 000                | 544 000               | 9 00           | 65                  | 62             | 132            | 143            | 182            |
| 120            | SL04 5024 PP        | 7.04 | 120                 | 180 | 80 | 79 | 71.2           | 176            | 4.2 | 0.6 | 1.5 | 64   | 328 000                | 592 000               | 9 00           | 65                  | 63             | 141.5          | 153            | 196            |
| 130            | SL04 5026 PP        | 10.5 | 130                 | 200 | 95 | 94 | 83.2           | 196            | 4.2 | 0.6 | 1.5 | 77   | 432 000                | 768 000               | 8 00           | 77                  | 75             | 157            | 170            | 216            |
|                | SL04 130 PP         | 7.5  | 130                 | 190 | 80 | 79 | 71.2           | 186            | 4.2 | 0.6 | 1.5 | 64   | 344 000                | 632 000               | 8 00           | 65                  | 63             | 151            | 160            | 206            |