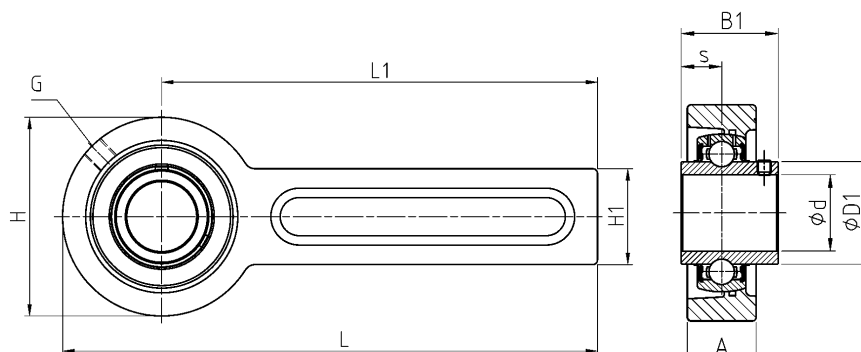
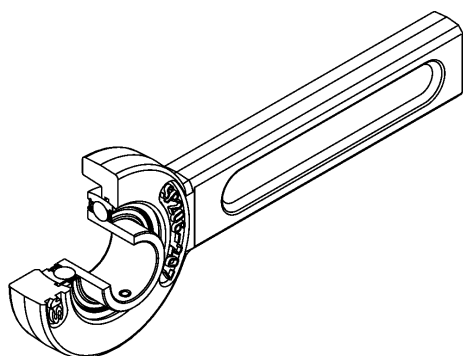


# Conveyor belt tensioner unit

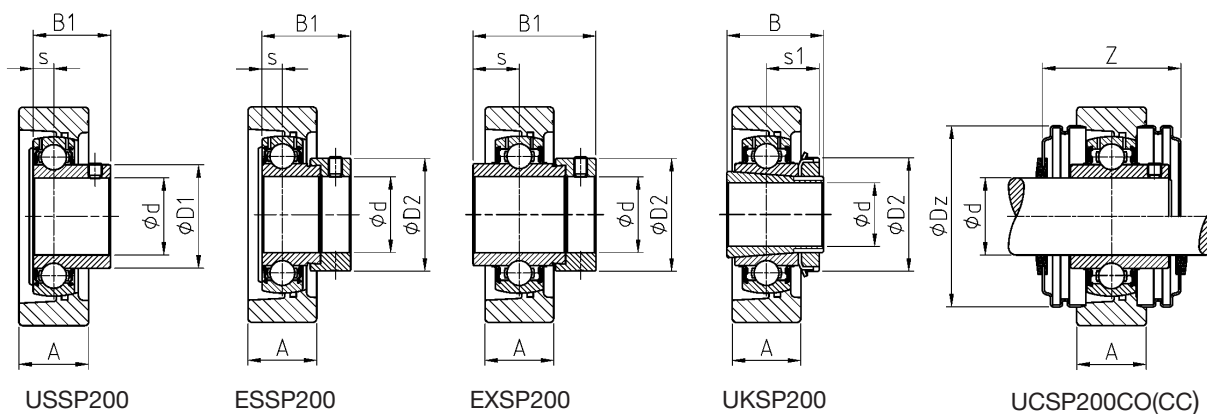
Housing

SP200 relubricatable



UCSP200

| d<br>[mm] | Unit     | Main dimensions [mm] |     |     |    |    |      |      |      |      |      |      |       |      |       |
|-----------|----------|----------------------|-----|-----|----|----|------|------|------|------|------|------|-------|------|-------|
|           |          | L                    | H   | L1  | H1 | A  | s1   | B    | B1   | s    | D1   | D2   | G     | Z    | Dz    |
| 12        | UCSP201  | 264                  | 78  | 225 | 41 | 21 | -    | -    | 31,0 | 12,7 | 29,0 | -    | R1/8" | 48,8 | 60,0  |
|           | USSP201  | 264                  | 78  | 225 | 41 | 21 | -    | -    | 22,0 | 6,0  | 24,6 | -    | R1/8" | 48,8 | 60,0  |
|           | ESSP201  | 264                  | 78  | 225 | 41 | 21 | -    | -    | 28,6 | 6,5  | -    | 28,6 | R1/8" | ***  | ***   |
|           | EXSP201  | 264                  | 78  | 225 | 41 | 21 | -    | -    | 43,5 | 17,0 | -    | 33,3 | R1/8" | ***  | ***   |
| 15        | UCSP202  | 264                  | 78  | 225 | 41 | 21 | -    | -    | 31,0 | 12,7 | 29,0 | -    | R1/8" | 48,8 | 60,0  |
|           | USSP202  | 264                  | 78  | 225 | 41 | 21 | -    | -    | 22,0 | 6,0  | 24,6 | -    | R1/8" | 48,8 | 60,0  |
|           | ESSP202  | 264                  | 78  | 225 | 41 | 21 | -    | -    | 28,6 | 6,5  | -    | 28,6 | R1/8" | ***  | ***   |
|           | EXSP202  | 264                  | 78  | 225 | 41 | 21 | -    | -    | 43,5 | 17,0 | -    | 33,3 | R1/8" | ***  | ***   |
| 17        | UCSP203  | 264                  | 78  | 225 | 41 | 21 | -    | -    | 31,0 | 12,7 | 29,0 | -    | R1/8" | 48,8 | 60,0  |
|           | USSP203  | 264                  | 78  | 225 | 41 | 21 | -    | -    | 22,0 | 6,0  | 24,6 | -    | R1/8" | 48,8 | 60,0  |
|           | ESSP203  | 264                  | 78  | 225 | 41 | 21 | -    | -    | 28,6 | 6,5  | -    | 28,6 | R1/8" | ***  | ***   |
|           | EXSP203  | 264                  | 78  | 225 | 41 | 21 | -    | -    | 43,5 | 17,0 | -    | 33,3 | R1/8" | ***  | ***   |
| 20        | UCSP204  | 264                  | 78  | 225 | 41 | 21 | -    | -    | 31,0 | 12,7 | 29,0 | -    | R1/8" | 48,8 | 60,0  |
|           | USSP204  | 264                  | 78  | 225 | 41 | 21 | -    | -    | 25,0 | 7,0  | 29,0 | -    | R1/8" | 48,8 | 60,0  |
|           | ESSP204  | 264                  | 78  | 225 | 41 | 21 | -    | -    | 30,9 | 7,5  | -    | 33,3 | R1/8" | ***  | ***   |
|           | EXSP204  | 264                  | 78  | 225 | 41 | 21 | -    | -    | 43,5 | 17,0 | -    | 33,3 | R1/8" | ***  | ***   |
|           | UKSP205H | 264                  | 78  | 225 | 41 | 21 | 18,5 | 35,0 | -    | -    | -    | 38,0 | R1/8" | 48,8 | 60,0  |
| 25        | UCSP205  | 264                  | 78  | 225 | 41 | 21 | -    | -    | 34,0 | 14,3 | 34,0 | -    | R1/8" | 48,8 | 60,0  |
|           | USSP205  | 264                  | 78  | 225 | 41 | 21 | -    | -    | 27,0 | 7,5  | 34,0 | -    | R1/8" | 48,8 | 60,0  |
|           | ESSP205  | 264                  | 78  | 225 | 41 | 21 | -    | -    | 30,9 | 7,5  | -    | 38,1 | R1/8" | ***  | ***   |
|           | EXSP205  | 264                  | 78  | 225 | 41 | 21 | -    | -    | 44,3 | 17,4 | -    | 38,1 | R1/8" | ***  | ***   |
|           | UKSP206H | 274                  | 98  | 225 | 41 | 21 | 20,5 | 38,0 | -    | -    | -    | 45,0 | R1/8" | 58,4 | 80,0  |
| 30        | UCSP206  | 274                  | 98  | 225 | 41 | 21 | -    | -    | 38,1 | 15,9 | 40,3 | -    | R1/8" | 58,4 | 80,0  |
|           | USSP206  | 274                  | 98  | 225 | 41 | 21 | -    | -    | 30,0 | 8,0  | 40,3 | -    | R1/8" | 58,4 | 80,0  |
|           | ESSP206  | 274                  | 98  | 225 | 41 | 21 | -    | -    | 35,7 | 9,0  | -    | 44,5 | R1/8" | ***  | ***   |
|           | EXSP206  | 274                  | 98  | 225 | 41 | 21 | -    | -    | 48,3 | 18,2 | -    | 44,5 | R1/8" | ***  | ***   |
|           | UKSP207H | 274                  | 98  | 225 | 41 | 21 | 22,5 | 43,0 | -    | -    | -    | 52,0 | R1/8" | 58,4 | 80,0  |
| 35        | UCSP207  | 274                  | 98  | 225 | 41 | 21 | -    | -    | 42,9 | 17,5 | 48,0 | -    | R1/8" | 58,4 | 80,0  |
|           | USSP207  | 274                  | 98  | 225 | 41 | 21 | -    | -    | 32,0 | 8,5  | 48,0 | -    | R1/8" | 58,4 | 80,0  |
|           | ESSP207  | 274                  | 98  | 225 | 41 | 21 | -    | -    | 38,9 | 9,5  | -    | 55,6 | R1/8" | ***  | ***   |
|           | EXSP207  | 274                  | 98  | 225 | 41 | 21 | -    | -    | 51,1 | 18,8 | -    | 55,6 | R1/8" | ***  | ***   |
|           | UKSP208H | 320                  | 120 | 260 | 61 | 31 | 24,5 | 46,0 | -    | -    | -    | 58,0 | R1/8" | 75,6 | 100,0 |
| 40        | UCSP208  | 320                  | 120 | 260 | 61 | 31 | -    | -    | 49,2 | 19,0 | 53,0 | -    | R1/8" | 75,6 | 100,0 |
|           | USSP208  | 320                  | 120 | 260 | 61 | 31 | -    | -    | 34,0 | 9,0  | 53,0 | -    | R1/8" | 75,6 | 100,0 |
|           | ESSP208  | 320                  | 120 | 260 | 61 | 31 | -    | -    | 43,7 | 11,0 | -    | 60,3 | R1/8" | ***  | ***   |
|           | EXSP208  | 320                  | 120 | 260 | 61 | 31 | -    | -    | 56,3 | 21,4 | -    | 60,3 | R1/8" | ***  | ***   |
|           | UKSP209H | 320                  | 120 | 260 | 61 | 31 | 26,0 | 50,0 | -    | -    | -    | 65,0 | R1/8" | 75,6 | 100,0 |



| Housing    | Bearing insert | Stretcher frame *** (page 136) |       |       |       | Open protec-<br>tive caps * | Closed protec-<br>tive caps ** | Dynamic load<br>rating | Static load<br>rating   | Weight | Shaft diameter |
|------------|----------------|--------------------------------|-------|-------|-------|-----------------------------|--------------------------------|------------------------|-------------------------|--------|----------------|
|            |                |                                |       |       |       |                             |                                | C <sub>r</sub><br>[kN] | C <sub>0r</sub><br>[kN] | [kg]   | d<br>[mm]      |
| 203-205/47 | UC201          | SPR1                           | SPR11 | SPR12 | SPR14 | CO                          | CC                             | 12,80                  | 6,65                    | 1,7    | 12             |
| 03-205/40  | US201          | SPR1                           | SPR11 | SPR12 | SPR14 | CO                          | CC                             | 9,55                   | 4,78                    | 1,6    |                |
| 03-205/40  | ES201          | SPR1                           | SPR11 | SPR12 | SPR14 | ***                         | ***                            | 9,55                   | 4,78                    | 1,6    |                |
| 03-205/47  | EX201          | SPR1                           | SPR11 | SPR12 | SPR14 | ***                         | ***                            | 12,80                  | 6,65                    | 1,8    |                |
| 03-205/47  | UC202          | SPR1                           | SPR11 | SPR12 | SPR14 | CO                          | CC                             | 12,80                  | 6,65                    | 1,7    | 15             |
| 03-205/40  | US202          | SPR1                           | SPR11 | SPR12 | SPR14 | CO                          | CC                             | 9,55                   | 4,78                    | 1,6    |                |
| 03-205/40  | ES202          | SPR1                           | SPR11 | SPR12 | SPR14 | ***                         | ***                            | 9,55                   | 4,78                    | 1,6    |                |
| 03-205/47  | EX202          | SPR1                           | SPR11 | SPR12 | SPR14 | ***                         | ***                            | 12,80                  | 6,65                    | 1,8    |                |
| 03-205/47  | UC203          | SPR1                           | SPR11 | SPR12 | SPR14 | CO                          | CC                             | 12,80                  | 6,65                    | 1,7    | 17             |
| 03-205/40  | US203          | SPR1                           | SPR11 | SPR12 | SPR14 | CO                          | CC                             | 9,55                   | 4,78                    | 1,6    |                |
| 03-205/40  | ES203          | SPR1                           | SPR11 | SPR12 | SPR14 | ***                         | ***                            | 9,55                   | 4,78                    | 1,6    |                |
| 03-205/47  | EX203          | SPR1                           | SPR11 | SPR12 | SPR14 | ***                         | ***                            | 12,80                  | 6,65                    | 1,8    |                |
| 03-205/47  | UC204          | SPR1                           | SPR11 | SPR12 | SPR14 | CO                          | CC                             | 12,80                  | 6,65                    | 1,7    | 20             |
| 03-205/40  | US204          | SPR1                           | SPR11 | SPR12 | SPR14 | CO                          | CC                             | 12,80                  | 6,65                    | 1,6    |                |
| 03-205/40  | ES204          | SPR1                           | SPR11 | SPR12 | SPR14 | ***                         | ***                            | 12,80                  | 6,65                    | 1,7    |                |
| 03-205/47  | EX204          | SPR1                           | SPR11 | SPR12 | SPR14 | ***                         | ***                            | 12,80                  | 6,65                    | 1,7    |                |
| 03-205/52  | UK205 + H2305  | SPR1                           | SPR11 | SPR12 | SPR14 | CO                          | CC                             | 14,00                  | 7,88                    | 1,7    | 25             |
| 03-205/52  | UC205          | SPR1                           | SPR11 | SPR12 | SPR14 | CO                          | CC                             | 14,00                  | 7,88                    | 1,7    |                |
| 03-205/52  | US205          | SPR1                           | SPR11 | SPR12 | SPR14 | CO                          | CC                             | 14,00                  | 7,88                    | 1,7    |                |
| 03-205/52  | ES205          | SPR1                           | SPR11 | SPR12 | SPR14 | ***                         | ***                            | 14,00                  | 7,88                    | 1,7    |                |
| 03-205/52  | EX205          | SPR1                           | SPR11 | SPR12 | SPR14 | ***                         | ***                            | 14,00                  | 7,88                    | 1,8    |                |
| 06-207/62  | UK206 + H2306  | SPR1                           | SPR11 | SPR12 | SPR14 | CO                          | CC                             | 19,50                  | 11,20                   | 2,0    | 30             |
| 06-207/62  | UC206          | SPR1                           | SPR11 | SPR12 | SPR14 | CO                          | CC                             | 19,50                  | 11,20                   | 1,9    |                |
| 06-207/62  | US206          | SPR1                           | SPR11 | SPR12 | SPR14 | CO                          | CC                             | 19,50                  | 11,20                   | 1,9    |                |
| 06-207/62  | ES206          | SPR1                           | SPR11 | SPR12 | SPR14 | ***                         | ***                            | 19,50                  | 11,20                   | 1,9    |                |
| 06-207/62  | EX206          | SPR1                           | SPR11 | SPR12 | SPR14 | ***                         | ***                            | 19,50                  | 11,20                   | 2,0    |                |
| 06-207/72  | UK207 + H2307  | SPR1                           | SPR11 | SPR12 | SPR14 | CO                          | CC                             | 25,70                  | 15,20                   | 2,1    | 35             |
| 06-207/72  | UC207          | SPR1                           | SPR11 | SPR12 | SPR14 | CO                          | CC                             | 25,70                  | 15,20                   | 2,1    |                |
| 06-207/72  | US207          | SPR1                           | SPR11 | SPR12 | SPR14 | CO                          | CC                             | 25,70                  | 15,20                   | 2,0    |                |
| 06-207/72  | ES207          | SPR1                           | SPR11 | SPR12 | SPR14 | ***                         | ***                            | 25,70                  | 15,20                   | 2,1    |                |
| 06-207/72  | EX207          | SPR1                           | SPR11 | SPR12 | SPR14 | ***                         | ***                            | 25,70                  | 15,20                   | 2,2    |                |
| 08-210/80  | UK208 + H2308  | SPR2                           | SPR21 | SPR22 | SPR24 | CO                          | CC                             | 29,60                  | 18,20                   | 4,3    | 40             |
| 08-210/80  | UC208          | SPR2                           | SPR21 | SPR22 | SPR24 | CO                          | CC                             | 29,60                  | 18,20                   | 4,2    |                |
| 08-210/80  | US208          | SPR2                           | SPR21 | SPR22 | SPR24 | CO                          | CC                             | 29,60                  | 18,20                   | 4,2    |                |
| 08-210/80  | ES208          | SPR2                           | SPR21 | SPR22 | SPR24 | ***                         | ***                            | 29,60                  | 18,20                   | 4,2    |                |
| 08-210/80  | EX208          | SPR2                           | SPR21 | SPR22 | SPR24 | ***                         | ***                            | 29,60                  | 18,20                   | 4,3    |                |
| 08-210/85  | UK209 + H2309  | SPR2                           | SPR21 | SPR22 | SPR24 | CO                          | CC                             | 31,85                  | 20,80                   | 4,3    |                |

\* = Equipped with two open protective caps for passing shafts: Suffix CO see example on page 6

\*\* = Equipped with one open and one closed protective cap for shaft ends: Suffix CC see example on page 6

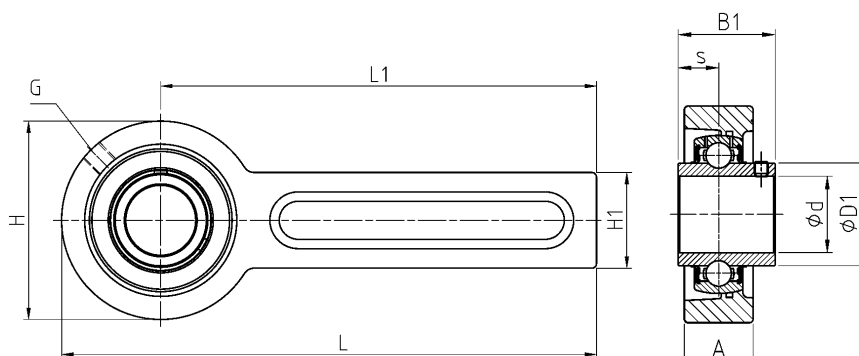
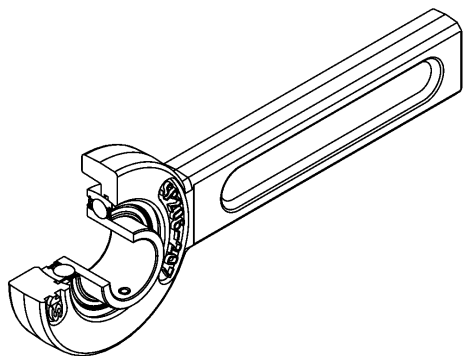
\*\*\* = Protective cap for bearing inserts with eccentric locking collar at request

\*\*\*\* = must be ordered separately

# Conveyor belt tensioner unit

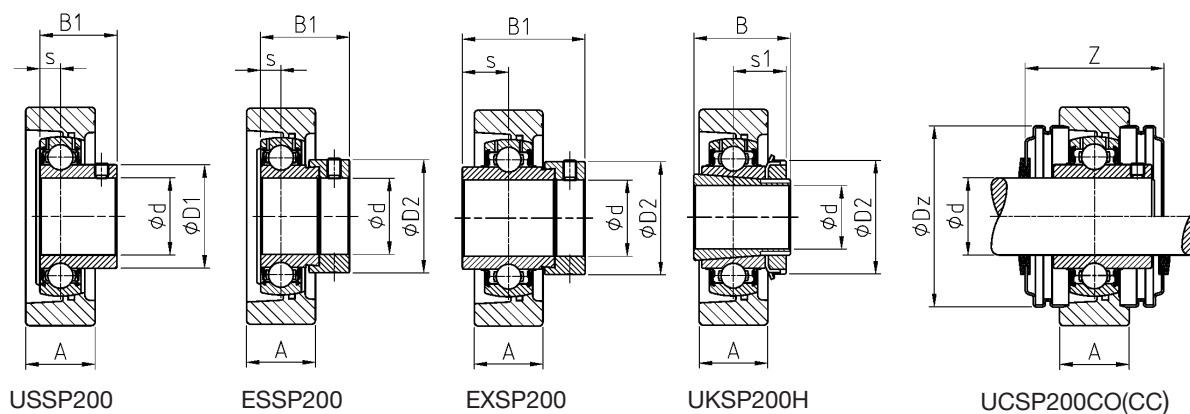
Housing

SP200 relubricatable



UCSP200

| Shaft diameter |          | Unit |     | Main dimensions [mm] |    |    |      |      |      |      |      |      |       |      |       |  |
|----------------|----------|------|-----|----------------------|----|----|------|------|------|------|------|------|-------|------|-------|--|
| d<br>[mm]      |          | L    | H   | L1                   | H1 | A  | s1   | B    | B1   | s    | D1   | D2   | G     | Z    | Dz    |  |
| 45             | UCSP209  | 320  | 120 | 260                  | 61 | 31 | -    | -    | 49,2 | 19,0 | 57,2 | -    | R1/8" | 75,6 | 100,0 |  |
|                | USSP209  | 320  | 120 | 260                  | 61 | 31 | -    | -    | 41,2 | 10,2 | 57,2 | -    | R1/8" | 75,6 | 100,0 |  |
|                | ESSP209  | 320  | 120 | 260                  | 61 | 31 | -    | -    | 43,7 | 11,0 | -    | 63,5 | R1/8" | ***  | ***   |  |
|                | EXSP209  | 320  | 120 | 260                  | 61 | 31 | -    | -    | 56,3 | 21,4 | -    | 63,5 | R1/8" | ***  | ***   |  |
|                | UKSP210H | 320  | 120 | 260                  | 61 | 31 | 27,5 | 55,0 | -    | -    | -    | 70,0 | R1/8" | 75,6 | 100,0 |  |
| 50             | UCSP210  | 320  | 120 | 260                  | 61 | 31 | -    | -    | 51,6 | 19,0 | 61,8 | -    | R1/8" | 75,6 | 100,0 |  |
|                | USSP210  | 320  | 120 | 260                  | 61 | 31 | -    | -    | 43,5 | 10,9 | 61,8 | -    | R1/8" | 75,6 | 100,0 |  |
|                | ESSP210  | 320  | 120 | 260                  | 61 | 31 | -    | -    | 43,7 | 11,0 | -    | 69,9 | R1/8" | ***  | ***   |  |
|                | EXSP210  | 320  | 120 | 260                  | 61 | 31 | -    | -    | 62,7 | 24,6 | -    | 69,9 | R1/8" | ***  | ***   |  |



| Housing   | Bearing insert | Stretcher frame **** (page 136) |       |       |       | Open protective caps * |     | Closed protective caps ** | Dynamic load rating    | Static load rating      | Weight | Shaft diameter |
|-----------|----------------|---------------------------------|-------|-------|-------|------------------------|-----|---------------------------|------------------------|-------------------------|--------|----------------|
|           |                |                                 |       |       |       |                        |     |                           | C <sub>r</sub><br>[kN] | C <sub>0r</sub><br>[kN] | [kg]   | d<br>[mm]      |
| 08-210/85 | UC209          | SPR2                            | SPR21 | SPR22 | SPR24 | CO                     | CC  |                           | 31,85                  | 20,80                   | 4,2    | 45             |
| 08-210/85 | US209          | SPR2                            | SPR21 | SPR22 | SPR24 | CO                     | CC  |                           | 31,85                  | 20,80                   | 4,2    |                |
| 08-210/85 | ES209          | SPR2                            | SPR21 | SPR22 | SPR24 | ***                    | *** |                           | 31,85                  | 20,80                   | 4,2    |                |
| 08-210/85 | EX209          | SPR2                            | SPR21 | SPR22 | SPR24 | ***                    | *** |                           | 31,85                  | 20,80                   | 4,4    |                |
| 08-210/90 | UK210 + H2310  | SPR2                            | SPR21 | SPR22 | SPR24 | CO                     | CC  |                           | 35,10                  | 23,20                   | 4,4    |                |
| 08-210/90 | UC210          | SPR2                            | SPR21 | SPR22 | SPR24 | CO                     | CC  |                           | 35,10                  | 23,20                   | 4,2    | 50             |
| 08-210/90 | US210          | SPR2                            | SPR21 | SPR22 | SPR24 | CO                     | CC  |                           | 35,10                  | 23,20                   | 4,2    |                |
| 08-210/90 | ES210          | SPR2                            | SPR21 | SPR22 | SPR24 | ***                    | *** |                           | 35,10                  | 23,20                   | 4,2    |                |
| 08-210/90 | EX210          | SPR2                            | SPR21 | SPR22 | SPR24 | ***                    | *** |                           | 35,10                  | 23,20                   | 4,4    |                |

\* = Equipped with two open protective caps for passing shafts: Suffix CO see example on page 6

\*\* = Equipped with one open and one closed protective cap for shaft ends: Suffix CC see example on page 6

\*\*\* = Protective cap for bearing inserts with eccentric locking collar at request

\*\*\*\* = must be ordered separately