



Preload change dimensions for bearing pairs. If a single bearing is to be adjusted, the below measurement must be divided by two.

| | O-Arrangement | X-Arrangement |
|---|---------------------|---------------------|
| Width of inner spacer smaller than outer spacer | Increase of preload | Decrease of preload |
| Width of outer spacer smaller than inner spacer | Decrease of preload | Increase of preload |

| | L [N] | Difference [micron] | M [N] | Difference [micron] | S [N] |
|-----------|----------|------------------------|----------|------------------------|----------|
| S 619/5 C | 6 | 5 | 18 | 5 | 36 |
| S 619/6 C | 7 | 5 | 20 | 5 | 40 |
| S 619/7 C | 8 | 5 | 23 | 5 | 46 |
| S 619/8 C | 12 | 6 | 30 | 6 | 70 |
| S 619/9 C | 12 | 7 | 35 | 5 | 75 |
| S 61900 C | 12 | 7 | 40 | 5 | 75 |
| S 61901 C | 15 | 6 | 40 | 6 | 85 |
| S 61902 C | 22 | 8 | 43 | 8 | 140 |
| S 61903 C | 25 | 8 | 70 | 8 | 150 |
| S 61904 C | 35 | 9 | 75 | 8 | 220 |
| S 61905 C | 40 | 9 | 110 | 9 | 240 |
| S 61906 C | 40 | 8 | 120 | 8 | 240 |
| S 61907 C | 55 | 9 | 165 | 9 | 330 |
| S 61908 C | 75 | 11 | 230 | 11 | 460 |
| S 61909 C | 80 | 9 | 230 | 10 | 460 |
| S 61910 C | 80 | 9 | 230 | 10 | 460 |
| S 61911 C | 90 | 11 | 280 | 11 | 560 |
| S 61912 C | 100 | 11 | 300 | 11 | 600 |
| S 61913 C | 100 | 10 | 300 | 10 | 600 |
| S 61914 C | 130 | 11 | 370 | 11 | 740 |
| S 61915 C | 150 | 12 | 450 | 12 | 900 |
| S 61916 C | 180 | 13 | 540 | 13 | 1090 |
| S 61917 C | 200 | 14 | 610 | 14 | 1220 |
| S 61918 C | 210 | 14 | 620 | 14 | 1240 |
| S 61919 C | 210 | 14 | 630 | 14 | 1250 |
| S 61920 C | 260 | 16 | 790 | 16 | 1570 |
| S 61921 C | 270 | 16 | 800 | 16 | 1610 |
| S 61922 C | 270 | 16 | 820 | 16 | 1640 |
| S 61924 C | 340 | 18 | 1030 | 18 | 2060 |

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|-----------|----------|------------------------|----------|------------------------|----------|
| S 61900 E | 22 | 5 | 70 | 5 | 140 |
| S 61901 E | 25 | 4 | 75 | 5 | 150 |
| S 61902 E | 35 | 5 | 110 | 6 | 220 |
| S 61903 E | 40 | 5 | 120 | 6 | 240 |
| S 61904 E | 55 | 6 | 170 | 6 | 340 |
| S 61905 E | 60 | 5 | 180 | 6 | 360 |
| S 61906 E | 60 | 6 | 190 | 6 | 380 |
| S 61907 E | 90 | 6 | 260 | 7 | 520 |
| S 61908 E | 120 | 7 | 360 | 7 | 720 |
| S 61909 E | 120 | 7 | 360 | 7 | 720 |
| S 61910 E | 120 | 7 | 370 | 7 | 740 |
| S 61911 E | 150 | 7 | 440 | 8 | 880 |
| S 61912 E | 150 | 7 | 460 | 8 | 920 |
| S 61913 E | 160 | 7 | 470 | 8 | 940 |
| S 61914 E | 200 | 8 | 590 | 8 | 1180 |
| S 61915 E | 230 | 8 | 700 | 9 | 1400 |
| S 61916 E | 280 | 9 | 850 | 10 | 1710 |
| S 61917 E | 320 | 10 | 960 | 10 | 1910 |
| S 61918 E | 330 | 9 | 980 | 10 | 1960 |
| S 61919 E | 330 | 9 | 990 | 10 | 1990 |
| S 61920 E | 410 | 11 | 1240 | 12 | 2470 |
| S 61921 E | 420 | 11 | 1260 | 12 | 2520 |
| S 61922 E | 420 | 10 | 1270 | 11 | 2550 |
| S 61924 E | 540 | 12 | 1620 | 13 | 3240 |



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| HY S 619/9 C | 12 | 6 | 40 | 5 | 75 |
| HY S 61900 C | 12 | 6 | 40 | 5 | 75 |
| HY S 61901 C | 15 | 5 | 43 | 5 | 85 |
| HY S 61902 C | 22 | 7 | 70 | 7 | 140 |
| HY S 61903 C | 25 | 7 | 75 | 7 | 150 |
| HY S 61904 C | 35 | 8 | 110 | 8 | 220 |
| HY S 61905 C | 40 | 8 | 120 | 8 | 240 |
| HY S 61906 C | 40 | 7 | 120 | 7 | 240 |
| HY S 61907 C | 55 | 8 | 165 | 8 | 330 |
| HY S 61908 C | 75 | 10 | 230 | 10 | 460 |
| HY S 61909 C | 80 | 9 | 230 | 9 | 460 |
| HY S 61910 C | 80 | 9 | 230 | 9 | 460 |
| HY S 61911 C | 90 | 10 | 280 | 10 | 560 |
| HY S 61912 C | 100 | 10 | 300 | 10 | 600 |
| HY S 61913 C | 100 | 9 | 300 | 10 | 600 |
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| HY S 61921 C | 270 | 14 | 800 | 15 | 1610 |
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