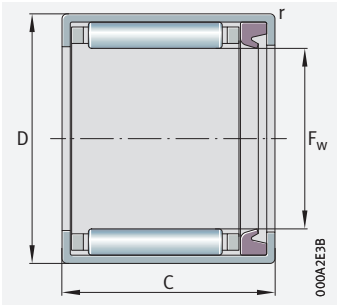
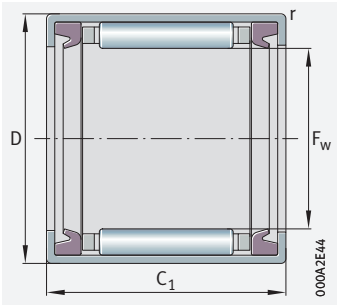
# Drawn cup needle roller bearings with open ends

# Drawn cup needle roller bearings with closed end

Sealed




*HK..-RS*




*HK..-2RS*

## $F_w$ = 8 – 50 mm

| Main dimensions | | | | Basic load ratings | | Fatigue limit load | Limiting speed | Drawn cup needle roller bearings with open ends | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Sealed on one side | | Sealed on both sides | |
| $F_w$ | D | C<br>0<br>−0,3 | $C_1$<br>0<br>−0,3 | dyn.<br>$C_r$<br>N | stat.<br>$C_{0r}$<br>N | $C_{ur}$<br>N | $n_G$ grease<br>$min^{-1}$ | Mass<br>m<br>≈ g | Designation<br>➤*904\|1.12*<br>➤*904\|1.13* | Mass<br>m<br>≈ g | Designation<br>➤*904\|1.12*<br>➤*904\|1.13* |
| **8** | 12 | – | 10 | 2 180 | 1 930 | 270 | 17 700 | – | – | 3,2 | **HK0810-2RS** |
| | 12 | 10 | 12 | 2 750 | 2 600 | 300 | 17 700 | 3 | **HK0810-RS** | 3,3 | **HK0812-2RS** |
| | 12 | 12 | – | 3 800 | 3 950 | 510 | 17 700 | 3,1 | **HK0812-RS** | – | – |
| **10** | 14 | – | 10 | 2 410 | 2 330 | 405 | 14 600 | – | – | 4 | **HK1010-2RS** |
| | 14 | 12 | 12 | 3 200 | 3 350 | 385 | 14 600 | – | – | 4,3 | **HK1012-2RS** |
| | 14 | 12 | 14 | 4 400 | 5 100 | 670 | 14 600 | 4,2 | **HK1012-RS** | 4,6 | **HK1014-2RS** |
| **12** | 16 | – | 14 | 4 950 | 6 200 | 820 | 12 400 | – | – | 11 | **HK1214-2RS** |
| | 18 | 14 | 16 | 6 500 | 7 300 | 880 | 12 000 | 10 | **HK1214-RS** | 11 | **HK1216-2RS** |
| **14** | 20 | 14 | 16 | 7 100 | 8 500 | 1 030 | 10 500 | 12 | **HK1414-RS** | 13 | **HK1416-2RS** |
| **15** | 21 | 14 | 16 | 7 800 | 9 800 | 1 210 | 9 900 | 12 | **HK1514-RS** | 15 | **HK1516-2RS** |
| | 21 | 18 | 20 | 10 500 | 14 400 | 1 810 | 9 900 | 16 | **HK1518-RS** | 18 | **HK1520-2RS** |
| **16** | 22 | 14 | 16 | 7 600 | 9 700 | 1 180 | 9 300 | 13 | **HK1614-RS** | 14 | **HK1616-2RS** |
| | 22 | – | 20 | 10 900 | 15 300 | 1 940 | 9 300 | – | – | 18 | **HK1620-2RS** |
| **18** | 24 | 14 | 16 | 8 100 | 10 900 | 1 330 | 8 400 | 14 | **HK1814-RS** | 15 | **HK1816-2RS** |
| **20** | 26 | – | 16 | 8 600 | 12 100 | 1 480 | 7 600 | – | – | 18 | **HK2016-2RS** |
| | 26 | 18 | 20 | 12 700 | 20 100 | 2 550 | 7 600 | 21 | **HK2018-RS** | 23 | **HK2020-2RS** |
| **22** | 28 | 14 | 16 | 9 100 | 13 400 | 1 630 | 7 000 | 16 | **HK2214-RS** | 18 | **HK2216-2RS** |
| | 28 | 18 | 20 | 13 400 | 22 100 | 2 850 | 7 000 | 24 | **HK2218-RS** | 26 | **HK2220-2RS** |
| **25** | 32 | – | 16 | 11 000 | 15 200 | 2 030 | 6 100 | | – | 27 | **HK2516-2RS** |
| | 32 | 18 | 20 | 15 600 | 24 000 | 3 200 | 6 100 | 29 | **HK2518-RS** | 31 | **HK2520-2RS** |
| | 32 | – | 24 | 19 900 | 33 000 | 4 300 | 6 100 | – | – | 40 | **HK2524-2RS** |
| | 32 | – | 30 | 25 500 | 45 000 | 6 300 | 6 100 | – | – | 47 | **HK2530-2RS** |
| **28** | 35 | 18 | 20 | 16 400 | 26 500 | 3 500 | 5 500 | 31 | **HK2818-RS** | 34 | **HK2820-2RS** |
| **30** | 37 | – | 16 | 12 100 | 18 200 | 2 440 | 5 200 | – | – | 31 | **HK3016-2RS** |
| | 37 | 18 | 20 | 17 200 | 29 000 | 3 850 | 5 200 | 37 | **HK3018-RS** | 36 | **HK3020-2RS** |
| | 37 | – | 24 | 22 000 | 39 500 | 5 100 | 5 200 | – | – | 44 | **HK3024-2RS** |
| **35** | 42 | – | 16 | 13 100 | 21 300 | 2 850 | 4 500 | – | – | 32 | **HK3516-2RS** |
| | 42 | 18 | 20 | 18 700 | 33 500 | 4 450 | 4 500 | 39 | **HK3518-RS** | 41 | **HK3520-2RS** |
| **40** | 47 | – | 16 | 14 000 | 24 300 | 3 250 | 3 950 | – | – | 37 | **HK4016-2RS** |
| | 47 | 18 | 20 | 20 000 | 38 500 | 5 100 | 3 950 | 45 | **HK4018-RS** | 48 | **HK4020-2RS** |
| **45** | 52 | 18 | 20 | 21 300 | 43 000 | 5 800 | 3 550 | 50 | **HK4518-RS** | 54 | **HK4520-2RS** |
| **50** | 58 | 22 | 24 | 31 000 | 63 000 | 8 400 | 3 150 | 76 | **HK5022-RS** | 81 | **HK5024-2RS** |

***medias*** *https://www.schaeffler.de/std/1F9A*