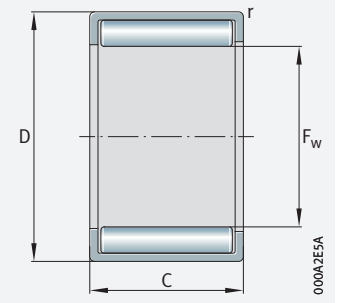
# Drawn cup needle roller bearings with open ends

Full complement
Unsealed




*HN*

## $F_w$ = 8 – 50 mm

| Main dimensions | | | Basic load ratings | | Fatigue limit load | Limiting speed | Speed rating | Mass | Designation ➤*904\|1.12* ➤*904\|1.13* |
|---|---|---|---|---|---|---|---|---|---|
| $F_w$ | D | C | dyn. $C_r$ | stat. $C_{0r}$ | $C_{ur}$ | $n_G$ grease | $n_{\vartheta r}$ | m | |
| | | | N | N | N | $min^{-1}$ | $min^{-1}$ | ≈ g | |
| **8** | 12 | 8 | 5 000 | 6 700 | 880 | 12 700 | 18 000 | 3 | **HN0808** |
| **12** | 16 | 10 | 8 000 | 13 400 | 1 880 | 8 900 | 11 900 | 5,3 | **HN1210** |
| | 18 | 12 | 10 200 | 15 200 | 1 990 | 8 600 | 12 000 | 10,5 | **HN1212** |
| **14** | 20 | 12 | 11 000 | 17 500 | 2 300 | 7 500 | 10 400 | 12 | **HN1412** |
| **15** | 21 | 16 | 15 400 | 27 500 | 3 700 | 7 100 | 9 600 | 14 | **HN1516** |
| **16** | 22 | 12 | 12 000 | 20 300 | 2 650 | 6 700 | 9 200 | 13 | **HN1612** |
| **18** | 24 | 16 | 17 000 | 32 500 | 4 350 | 6 000 | 8 000 | 20 | **HN1816** |
| **20** | 26 | 20 | 22 400 | 48 000 | 6 700 | 5 400 | 7 200 | 29,5 | **HN2020** |
| **25** | 32 | 20 | 28 000 | 59 000 | 8 000 | 4 350 | 5 800 | 39,6 | **HN2520** |
| **28** | 35 | 20 | 30 000 | 67 000 | 9 100 | 3 950 | 5 200 | 44 | **HN2820** |
| **35** | 42 | 20 | 33 500 | 83 000 | 11 300 | 3 200 | 4 250 | 54 | **HN3520** |
| **40** | 47 | 20 | 36 000 | 95 000 | 12 900 | 2 800 | 3 750 | 60,5 | **HN4020** |
| **45** | 52 | 20 | 38 500 | 108 000 | 14 700 | 2 500 | 3 400 | 66 | **HN4520** |
| | 52 | 25 | 47 000 | 139 000 | 19 900 | 2 500 | 3 350 | 85 | **HN4525** |
| **50** | 58 | 20 | 44 500 | 119 000 | 16 500 | 2 260 | 3 100 | 85,3 | **HN5020** |
| | 58 | 25 | 54 000 | 152 000 | 22 000 | 2 260 | 3 050 | 107 | **HN5025** |

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