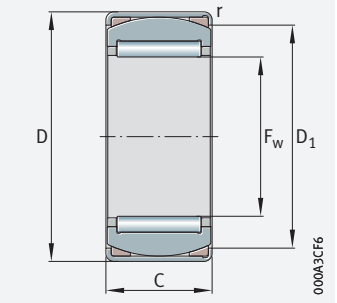
# Aligning needle roller bearings

## Without inner ring




*RPNA*

## $F_w$ = 15 – 45 mm

| Main dimensions | | | Basic load ratings | | Fatigue limit load | Limiting speed | Mass | Designation | Dimensions | |
|---|---|---|---|---|---|---|---|---|---|---|
| $F_w$ | D | C | dyn. $C_r$ | stat. $C_{0r}$ | $C_{ur}$ | $n_G$ | m | ➤*936*\|*1.12* ➤*937*\|*1.13* X-life ➤*930* | $D_1$ | r |
| | | ±0,5 | N | N | N | $min^{-1}$ | ≈ g | | | min. |
| **15** | 28 | 12 | 7 800 | 7 900 | 1 450 | 24 100 | 32 | **RPNA15/28-XL** | 24,5 | 0,8 |
| **18** | 32 | 16 | 14 100 | 16 200 | 3 050 | 22 100 | 52 | **RPNA18/32-XL** | 27 | 0,8 |
| **20** | 35 | 16 | 14 600 | 17 500 | 3 300 | 21 100 | 62 | **RPNA20/35-XL** | 30,5 | 0,8 |
| **25** | 42 | 20 | 21 300 | 30 500 | 5 400 | 17 800 | 109 | **RPNA25/42-XL** | 36,5 | 0,8 |
| **28** | 44 | 20 | 24 800 | 34 000 | 6 000 | 15 800 | 112 | **RPNA28/44-XL** | 38,5 | 0,8 |
| **30** | 47 | 20 | 25 500 | 36 000 | 6 400 | 14 800 | 125 | **RPNA30/47-XL** | 42 | 0,8 |
| **35** | 52 | 20 | 27 500 | 41 500 | 7 400 | 12 900 | 131 | **RPNA35/52-XL** | 47,5 | 0,8 |
| **40** | 55 | 20 | 29 500 | 47 000 | 8 400 | 11 400 | 141 | **RPNA40/55-XL** | 50,5 | 0,8 |
| **45** | 62 | 20 | 31 000 | 53 000 | 9 400 | 10 200 | 176 | **RPNA45/62-XL** | 58 | 0,8 |

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