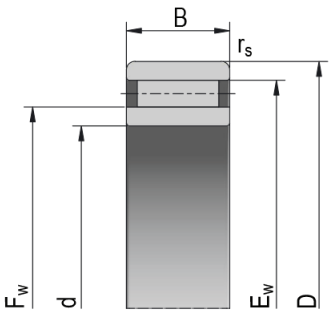
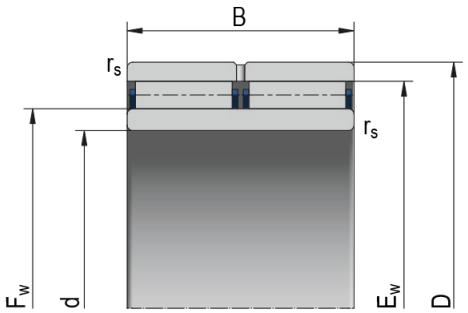
# Needle roller bearings without flanges




NAO




NAO

| Bearing Designation | NAO 9x22x12TN |
|---|---|

## Dimensions (mm)

| | | | |
|---|---|---|---|
| d | 9 | s | 0,50 |
| D | 22 | $d_1$ | 11,70 |
| B | 12,0 | $D_1$ | 12,30 |
| $F_w$ | 12,0 | $d_2$ | 17,60 |
| $E_w$ | 18 | $D_2$ | 18,30 |
| $r_{s\ min}$ | 0,30 | $r_{a\ max}$ | 0,30 |

## Basic Load Rating (kN)

| | |
|---|---|
| C | 10,00 |
| $C_0$ | 9,90 |

## Limiting Speed for Lubrication ($min^{-1}$)

| | |
|---|---|
| Oil | 26000 |

| Weight [g] | 23,50 |
|---|---|

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