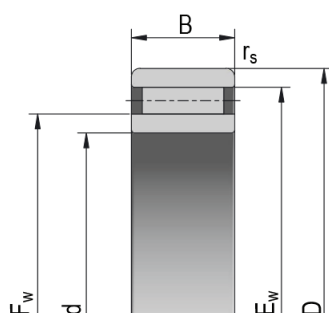
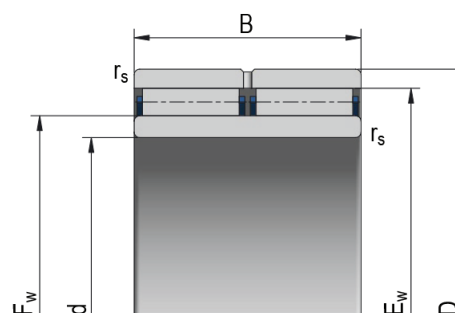


# Needle roller bearings without flanges



NAO



NAO

Bearing Designation

NAO 15x28x13

## Dimensions (mm)

|                    |      |
|--------------------|------|
| d                  | 15   |
| D                  | 28   |
| B                  | 13,0 |
| F <sub>w</sub>     | 20,0 |
| E <sub>w</sub>     | 24   |
| r <sub>s min</sub> | 0,30 |

|                    |       |
|--------------------|-------|
| s                  | 0,50  |
| d <sub>1</sub>     | 19,70 |
| D <sub>1</sub>     | 20,40 |
| d <sub>2</sub>     | 23,60 |
| D <sub>2</sub>     | 24,30 |
| r <sub>a max</sub> | 0,30  |

## Basic Load Rating (kN)

|                |       |
|----------------|-------|
| C              | 9,80  |
| C <sub>0</sub> | 14,30 |

## Limiting Speed for Lubrication (min<sup>-1</sup>)

|     |       |
|-----|-------|
| Oil | 21000 |
|-----|-------|

Weight [g]

29,00