

## Wiper type 008N NBR



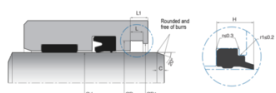
### Characteristics

**Type:** 008N

**Groove type:** Closed

**Principle of operation:** Single acting

**Maximum speed:** 1 m/s



| Operating conditions |                          |             |               |
|----------------------|--------------------------|-------------|---------------|
| Media                | Mineral Oils [DIN 51524] | HFA and HFB | HFC           |
| Temperature          | -30°C + 105°C            | +5°C + 60°C | -30°C + 60 °C |
| Speed                | ≤1,0 m/s                 | ≤1,0 m/s    | ≤1,0 m/s      |

Note: The above data are maximum values, they may only be maintained for short periods of time and cannot be used at the same time simultaneously.

| Surface roughness |         |  |         |
|-------------------|---------|--|---------|
|                   | Ra      |  | Rmax    |
| Sliding Surface   | ≤0,4 µm |  | ≤3,2 µm |
| Groove Base       | ≤1,6 µm |  | ≤10 µm  |
| Groove Flanks     | ≤3,2 µm |  | ≤16 µm  |

| Hardware tolerances |    |     |     |            |            |
|---------------------|----|-----|-----|------------|------------|
| Dimension           | Ød | ØD  | ØD1 | L          | L1         |
| Tolerance           | f8 | H10 | H10 | +0,2/-0 mm | +0,2/-0 mm |

| Rod diameter | Groove diameter | Groove width | Seal height | Material seal | Temperature range | Article  |
|--------------|-----------------|--------------|-------------|---------------|-------------------|----------|
| mm           | mm              | mm           | mm          |               | °C                |          |
| 12           | 20              | 4            | 7           | NBR           | -30 / 105         | 10017693 |
| 14           | 22              | 4            | 7           | NBR           | -30 / 105         | 10017694 |

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| Rod diameter | Groove diameter | Groove width | Seal height | Material seal | Temperature range | Article  |
|--------------|-----------------|--------------|-------------|---------------|-------------------|----------|
| mm           | mm              | mm           | mm          |               | °C                |          |
| 16           | 24              | 4            | 7           | NBR           | -30 / 105         | 10017696 |
| 18           | 26              | 4            | 7           | NBR           | -30 / 105         | 12647631 |
| 20           | 28              | 4            | 7           | NBR           | -30 / 105         | 11198343 |
| 22           | 30              | 4            | 7           | NBR           | -30 / 105         | 10017697 |
| 25           | 33              | 4            | 7           | NBR           | -30 / 105         | 10017698 |
| 28           | 36              | 4            | 7           | NBR           | -30 / 105         | 10017699 |
| 30           |                 | 4            |             | NBR           |                   | 10017700 |
| 32           | 40              | 4            | 7           | NBR           | -30 / 105         | 10017701 |
| 35           | 43              | 4            | 7           | NBR           | -30 / 105         | 10017702 |
| 38           | 46              | 4            | 7           | NBR           | -30 / 105         | 11167427 |
| 40           | 48              | 4            | 7           | NBR           | -30 / 105         | 10017704 |
| 45           | 53              | 4            | 7           | NBR           | -30 / 105         | 10017705 |
| 50           | 58              | 4            | 7           | NBR           | -30 / 105         | 10017706 |
| 55           | 63              | 4            | 7           | NBR           | -30 / 105         | 10017707 |
| 60           | 68              | 4            | 7           | NBR           | -30 / 105         | 10017708 |
| 63           | 71              | 4            | 7           | NBR           | -30 / 105         | 11205516 |
| 65           | 73              | 4            | 7           | NBR           | -30 / 105         | 11205517 |
| 70           | 78              | 4            | 7           | NBR           | -30 / 105         | 10017709 |
| 75           | 83              | 4            | 7           | NBR           | -30 / 105         | 11205518 |
| 80           | 88              | 4            | 7           | NBR           | -30 / 105         | 11205519 |
| 85           | 93              | 4            | 7           | NBR           | -30 / 105         | 10017710 |
| 90           | 98              | 4            | 7           | NBR           | -30 / 105         | 10017711 |
| 95           | 103             | 4            | 7           | NBR           | -30 / 105         | 10017712 |
| 100          | 108             | 4            | 7           | NBR           | -30 / 105         | 10017713 |
| 120          | 132             | 5.5          | 10          | NBR           | -30 / 105         | 13035763 |

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