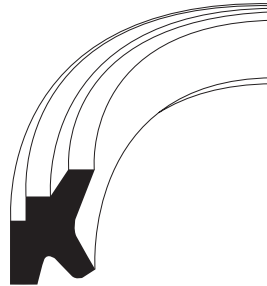


Wipers

DA17, AD51

(Metric Size)

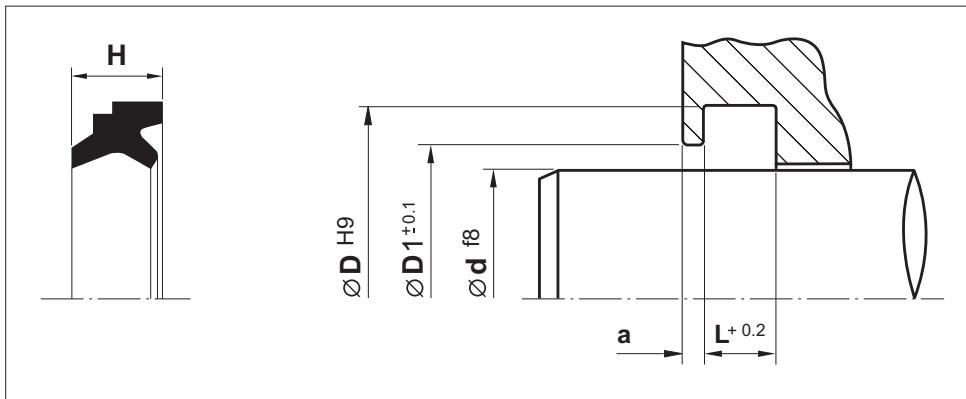


DA17, AD51

| Material | Temp. (°c) | Speed (m/s) |
|----------|-------------|-------------|
| NBR | -30 +110 | 1 |

- Low friction.
- Good scraping effect both inwards and outwards.
- Simple, small installation groove.
- Compact design.
- Easy installation and removal without tools.

Installation Recommendation



| Surface roughness | Ra | Rt |
|-------------------|----|----|
|-------------------|----|----|

| | | |
|--------------------|------------------------|-----------------------|
| Sliding surface | $\leq 0.3 \mu\text{m}$ | $\leq 4 \mu\text{m}$ |
| Surface of housing | $\leq 1.8 \mu\text{m}$ | $\leq 10 \mu\text{m}$ |
| Sides of housing | $\leq 3.0 \mu\text{m}$ | $\leq 16 \mu\text{m}$ |

Wiper - DA17

(Metric Size)

| Rod Dia. | Groove Dia. | Groove Width. | Seal Height | Bore Dia. | Step Width. | Reference | Reference |
|----------|-------------|---------------|-------------|-----------|-------------|---------------|---------------|
| d | D | L | H | D1 | a | | |
| 10.0 | 18.0 | 6.0 | 8.0 | 13.5 | 2.0 | DA17-0100 N90 | AD51-0100 N90 |
| 12.0 | 20.0 | 6.0 | 8.0 | 15.5 | 2.0 | DA17-0120 N90 | AD51-0120 N90 |
| 14.0 | 22.0 | 6.0 | 8.0 | 17.5 | 2.0 | DA17-0140 N90 | AD51-0140 N90 |
| 15.0 | 23.0 | 6.0 | 8.0 | 18.5 | 2.0 | DA17-0150 N90 | AD51-0150 N90 |
| 16.0 | 24.0 | 6.0 | 8.0 | 19.5 | 2.0 | DA17-0160 N90 | AD51-0160 N90 |
| 18.0 | 26.0 | 6.0 | 8.0 | 21.5 | 2.0 | DA17-0180 N90 | AD51-0180 N90 |
| 20.0 | 28.0 | 6.0 | 8.0 | 23.5 | 2.0 | DA17-0200 N90 | AD51-0200 N90 |
| 22.0 | 30.0 | 6.0 | 8.0 | 25.5 | 2.0 | DA17-0220 N90 | AD51-0220 N90 |
| 24.0 | 32.0 | 6.0 | 8.0 | 27.5 | 2.0 | DA17-0240 N90 | AD51-0240 N90 |
| 25.0 | 33.0 | 6.0 | 8.0 | 28.5 | 2.0 | DA17-0250 N90 | AD51-0250 N90 |
| 28.0 | 36.0 | 6.0 | 8.0 | 31.5 | 2.0 | DA17-0280 N90 | AD51-0280 N90 |
| 30.0 | 38.0 | 6.0 | 8.0 | 33.5 | 2.0 | DA17-0300 N90 | AD51-0300 N90 |
| 32.0 | 40.0 | 6.0 | 8.0 | 35.5 | 2.0 | DA17-0320 N90 | AD51-0320 N90 |
| 35.0 | 43.0 | 6.0 | 8.0 | 38.5 | 2.0 | DA17-0350 N90 | AD51-0350 N90 |
| 36.0 | 44.0 | 6.0 | 8.0 | 39.5 | 2.0 | DA17-0360 N90 | AD51-0360 N90 |
| 37.0 | 45.0 | 6.0 | 8.0 | 40.5 | 2.0 | DA17-0370 N90 | AD51-0370 N90 |
| 38.0 | 46.0 | 6.0 | 8.0 | 41.5 | 2.0 | DA17-0380 N90 | AD51-0380 N90 |
| 40.0 | 48.0 | 6.0 | 8.0 | 43.5 | 2.0 | DA17-0400 N90 | AD51-0400 N90 |
| 42.0 | 50.0 | 6.0 | 8.0 | 45.5 | 2.0 | DA17-0420 N90 | AD51-0420 N90 |
| 45.0 | 53.0 | 6.0 | 8.0 | 48.5 | 2.0 | DA17-0450 N90 | AD51-0450 N90 |
| 46.0 | 54.0 | 6.0 | 8.0 | 49.5 | 2.0 | DA17-0460 N90 | AD51-0460 N90 |
| 48.0 | 56.0 | 6.0 | 8.0 | 51.5 | 2.0 | DA17-0480 N90 | AD51-0480 N90 |
| 50.0 | 58.0 | 6.0 | 8.0 | 53.5 | 2.0 | DA17-0500 N90 | AD51-0500 N90 |
| 52.0 | 60.0 | 6.0 | 8.0 | 55.5 | 2.0 | DA17-0520 N90 | AD51-0520 N90 |
| 55.0 | 63.0 | 6.0 | 8.0 | 58.5 | 2.0 | DA17-0550 N90 | AD51-0550 N90 |
| 56.0 | 64.0 | 6.0 | 8.0 | 59.5 | 2.0 | DA17-0560 N90 | AD51-0560 N90 |
| 60.0 | 68.0 | 6.0 | 8.0 | 63.5 | 2.0 | DA17-0600 N90 | AD51-0600 N90 |
| 63.0 | 71.0 | 6.0 | 8.0 | 66.5 | 2.0 | DA17-0630 N90 | AD51-0630 N90 |
| 65.0 | 73.0 | 6.0 | 8.0 | 68.5 | 2.0 | DA17-0650 N90 | AD51-0650 N90 |
| 68.0 | 76.0 | 6.0 | 8.0 | 71.5 | 2.0 | DA17-0680 N90 | AD51-0680 N90 |
| 70.0 | 78.0 | 6.0 | 8.0 | 73.5 | 2.0 | DA17-0700 N90 | AD51-0700 N90 |
| 75.0 | 83.0 | 6.0 | 8.0 | 78.5 | 2.0 | DA17-0750 N90 | AD51-0750 N90 |
| 80.0 | 88.0 | 6.0 | 8.0 | 83.5 | 2.0 | DA17-0800 N90 | AD51-0800 N90 |
| 85.0 | 93.0 | 6.0 | 8.0 | 88.5 | 2.0 | DA17-0850 N90 | AD51-0850 N90 |
| 90.0 | 98.0 | 6.0 | 8.0 | 93.5 | 2.0 | DA17-0900 N90 | AD51-0900 N90 |
| 95.0 | 103.0 | 6.0 | 8.0 | 98.5 | 2.0 | DA17-0950 N90 | AD51-0950 N90 |
| 100.0 | 108.0 | 6.0 | 8.0 | 103.5 | 2.0 | DA17-1000 N90 | AD51-1000 N90 |
| 105.0 | 117.0 | 8.2 | 11.0 | 110.0 | 3.0 | DA17-1050 N90 | AD51-1050 N90 |
| 110.0 | 122.0 | 8.2 | 11.0 | 115.0 | 3.0 | DA17-1100 N90 | AD51-1100 N90 |
| 115.0 | 127.0 | 8.2 | 11.0 | 120.0 | 3.0 | DA17-1150 N90 | AD51-1150 N90 |

* For order processing, the computer code will be DA17-0100 N90

Wiper - DA17

(Metric Size)

| Rod Dia. | Groove Dia. | Groove Width. | Seal Height | Bore Dia. | Step Width. | Reference | Reference |
|----------|-------------|---------------|-------------|-----------|-------------|---------------|---------------|
| d | D | L | H | D1 | a | | |
| 120.0 | 132.0 | 8.2 | 11.0 | 125.0 | 3.0 | DA17-1200 N90 | AD51-1200 N90 |
| 125.0 | 137.0 | 8.2 | 11.0 | 130.0 | 3.0 | DA17-1250 N90 | AD51-1250 N90 |
| 130.0 | 142.0 | 8.2 | 11.0 | 135.0 | 3.0 | DA17-1300 N90 | AD51-1300 N90 |
| 135.0 | 147.0 | 8.2 | 11.0 | 140.0 | 3.0 | DA17-1350 N90 | AD51-1350 N90 |
| 140.0 | 152.0 | 8.2 | 11.0 | 145.0 | 3.0 | DA17-1400 N90 | AD51-1400 N90 |
| 145.0 | 157.0 | 8.2 | 11.0 | 150.0 | 3.0 | DA17-1450 N90 | AD51-1450 N90 |
| 150.0 | 162.0 | 8.2 | 11.0 | 155.0 | 3.0 | DA17-1500 N90 | AD51-1500 N90 |
| 155.0 | 167.0 | 8.2 | 11.0 | 160.0 | 3.0 | DA17-1550 N90 | AD51-1550 N90 |
| 160.0 | 172.0 | 8.2 | 11.0 | 165.0 | 3.0 | DA17-1600 N90 | AD51-1600 N90 |
| 165.0 | 177.0 | 8.2 | 11.0 | 170.0 | 3.0 | DA17-1650 N90 | AD51-1650 N90 |
| 170.0 | 182.0 | 8.2 | 11.0 | 175.0 | 3.0 | DA17-1700 N90 | AD51-1700 N90 |
| 180.0 | 192.0 | 8.2 | 11.0 | 185.0 | 3.0 | DA17-1800 N90 | AD51-1800 N90 |
| 185.0 | 197.0 | 8.2 | 11.0 | 190.0 | 3.0 | DA17-1850 N90 | AD51-1850 N90 |
| 190.0 | 202.0 | 8.2 | 11.0 | 195.0 | 3.0 | DA17-1900 N90 | AD51-1900 N90 |
| 195.0 | 207.0 | 8.2 | 11.0 | 200.0 | 3.0 | DA17-1950 N90 | AD51-1950 N90 |
| 200.0 | 212.0 | 8.2 | 11.0 | 205.0 | 3.0 | DA17-2000 N90 | AD51-2000 N90 |
| 205.0 | 220.0 | 9.5 | 13.0 | 212.0 | 3.0 | DA17-2050 N90 | AD51-2050 N90 |
| 210.0 | 225.0 | 9.5 | 13.0 | 217.0 | 3.0 | DA17-2100 N90 | AD51-2100 N90 |
| 220.0 | 235.0 | 9.5 | 13.0 | 227.0 | 3.0 | DA17-2200 N90 | AD51-2200 N90 |
| 225.0 | 240.0 | 9.5 | 13.0 | 232.0 | 3.0 | DA17-2250 N90 | AD51-2250 N90 |
| 240.0 | 255.0 | 9.5 | 13.0 | 247.0 | 3.0 | DA17-2400 N90 | AD51-2400 N90 |
| 250.0 | 265.0 | 9.5 | 13.0 | 257.0 | 3.0 | DA17-2500 N90 | AD51-2500 N90 |
| 260.0 | 275.0 | 9.5 | 13.0 | 267.0 | 3.0 | DA17-2600 N90 | AD51-2600 N90 |
| 275.0 | 290.0 | 9.5 | 13.0 | 282.0 | 3.0 | DA17-2750 N90 | AD51-2750 N90 |
| 280.0 | 295.0 | 9.5 | 13.0 | 287.0 | 3.0 | DA17-2800 N90 | AD51-2800 N90 |
| 290.0 | 305.0 | 9.5 | 13.0 | 297.0 | 3.0 | DA17-2900 N90 | AD51-2900 N90 |
| 300.0 | 315.0 | 9.5 | 13.0 | 307.0 | 3.0 | DA17-3000 N90 | AD51-3000 N90 |
| 310.0 | 325.0 | 9.5 | 13.0 | 317.0 | 3.0 | DA17-3100 N90 | AD51-3100 N90 |
| 320.0 | 335.0 | 9.5 | 13.0 | 327.0 | 3.0 | DA17-3200 N90 | AD51-3200 N90 |
| 350.0 | 365.0 | 9.5 | 13.0 | 357.0 | 3.0 | DA17-3500 N90 | AD51-3500 N90 |
| 360.0 | 375.0 | 9.5 | 13.0 | 367.0 | 3.0 | DA17-3600 N90 | AD51-3600 N90 |
| 370.0 | 385.0 | 9.5 | 13.0 | 377.0 | 3.0 | DA17-3700 N90 | AD51-3700 N90 |
| 400.0 | 415.0 | 9.5 | 13.0 | 407.0 | 3.0 | DA17-4000 N90 | AD51-4000 N90 |
| 440.0 | 455.0 | 9.5 | 13.0 | 447.0 | 3.0 | DA17-4400 N90 | AD51-4400 N90 |

* For order processing, the computer code will be DA17-0100 N90