

KN 36

Description

| | |
|---------------|--------------------------------------------|
| Product group | Piston seal |
| Design | N symmetrical u-ring |
| Profile no. | 36 |
| Specification | E suitable for one- sided pressure load |
| Seal material | TPU 95 3401 |

Operational application limits

| | |
|----------------------|-------------|
| Pressure (MPa): | ≤40 |
| Temperature (°C): | -40 to +100 |
| Running speed (m/s): | ≤0.5 |

Media

Hydraulic oils acc. to DIN 51524
Part 1 – 3, lubricating oils, mineral oil
based lubricating greases, highly non-
flammable hydraulic fluids HFA, HFB,
HFC acc. to VDMA 24317

Function

The KN 36 u-ring has a compact
design which functions well in low
pressure areas and attains a
particularly long service life. The
compact seal KN 36 has a symmetrical
design which allows it to be used as a
piston seal and as a rod seal.

Installation

The KN 36 can be installed in cut
grooves starting from an inner diameter
of 25 mm with the use of suitable
installation tools. With smaller
diameters or larger profile widths,
we recommend axially accessible
installation housings.

Remarks

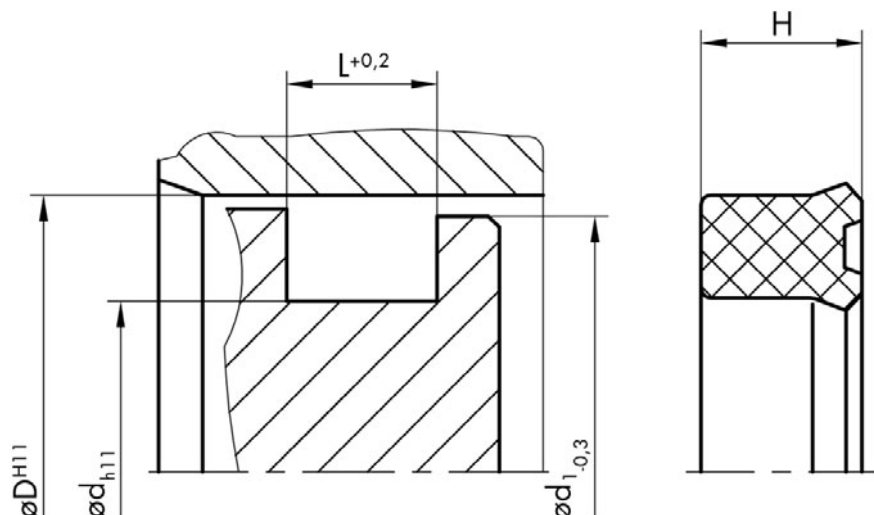
The KN 36 seal is also designed for
installation housings conforming to
ISO 5597. It is primarily used in
ground conveyors, agricultural and
injection moulding machines as well
as in cylinders for mobile hydraulic
platforms and steering cylinders.

Order code

Please include our item numbers in
your order. Should you require non-
standard dimensions, materials or
material combinations, please use the
order code on page 12.

Any seal. Any time.

All the items in our standard programme
(marked red) are standard stock items.
For all other items, please check the
availability at www.dichtomatik.de.

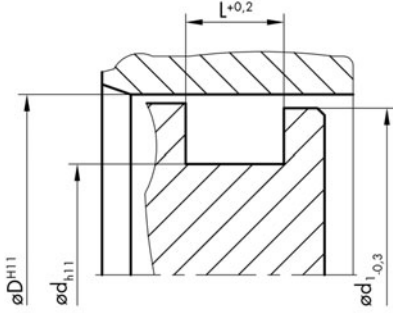


KN 36**Sizes**

| Item No. | Code | D | d | L | H |
|----------|---------|------|----|-----|-----|
| 168316 | KN 36 E | 14 | 6 | 6.3 | 5.7 |
| 168319 | KN 36 E | 16 | 8 | 6.3 | 5.7 |
| 168309 | KN 36 E | 18 | 8 | 8.5 | 8 |
| 168314 | KN 36 E | 18 | 10 | 6.3 | 5.5 |
| 168320 | KN 36 E | 18 | 10 | 6.3 | 5.7 |
| 168321 | KN 36 E | 18 | 12 | 5 | 4.5 |
| 168322 | KN 36 E | 20 | 12 | 6.3 | 5.5 |
| 168311 | KN 36 E | 20 | 12 | 6.3 | 5.8 |
| 168317 | KN 36 E | 21 | 14 | 5.6 | 5 |
| 168335 | KN 36 E | 22 | 14 | 6.3 | 5.5 |
| 168337 | KN 36 E | 22 | 16 | 4.5 | 4 |
| 168325 | KN 36 E | 22.7 | 16 | 5 | 4 |
| 168340 | KN 36 E | 24 | 16 | 7 | 6 |
| 168342 | KN 36 E | 25 | 18 | 5.7 | 5.1 |
| 24306 | KN 36 E | 25 | 20 | 3.5 | 3 |
| 168346 | KN 36 E | 25 | 20 | 4.5 | 4 |
| 65482 | KN 36 E | 25 | 20 | 4 | 3.7 |
| 168349 | KN 36 E | 26 | 18 | 7 | 6 |
| 168315 | KN 36 E | 26 | 20 | 5.8 | 5 |
| 168352 | KN 36 E | 26 | 20 | 6 | 5.5 |
| 168354 | KN 36 E | 27 | 20 | 6.5 | 5.7 |
| 168356 | KN 36 E | 27 | 21 | 5 | 4 |
| 168358 | KN 36 E | 28 | 18 | 6.3 | 5.8 |
| 168360 | KN 36 E | 28 | 18 | 8 | 7 |
| 168361 | KN 36 E | 28 | 20 | 6.3 | 5.8 |
| 168362 | KN 36 E | 28 | 20 | 7 | 6 |
| 168364 | KN 36 E | 28 | 20 | 8 | 7 |
| 168339 | KN 36 E | 28 | 22 | 5.3 | 4.5 |
| 168366 | KN 36 E | 28 | 22 | 5.5 | 5 |
| 168368 | KN 36 E | 29 | 22 | 5.6 | 5 |
| 168370 | KN 36 E | 30 | 20 | 8 | 7.2 |
| 168372 | KN 36 E | 30 | 20 | 9 | 8 |
| 168374 | KN 36 E | 30 | 20 | 11 | 10 |
| 168375 | KN 36 E | 30 | 22 | 7 | 6 |
| 168376 | KN 36 E | 30 | 22 | 8 | 7 |
| 168377 | KN 36 E | 30 | 24 | 9 | 8 |
| 168381 | KN 36 E | 32 | 22 | 8 | 7 |
| 168382 | KN 36 E | 32 | 22 | 9 | 8 |
| 168383 | KN 36 E | 32 | 24 | 7 | 6 |
| 168385 | KN 36 E | 32 | 25 | 5 | 4 |
| 168386 | KN 36 E | 33 | 25 | 6.3 | 5.8 |
| 168387 | KN 36 E | 33 | 25 | 7 | 6 |
| 168388 | KN 36 E | 33 | 25 | 9 | 8 |
| 168390 | KN 36 E | 34 | 24 | 6.5 | 6 |
| 168392 | KN 36 E | 35 | 25 | 6 | 5 |
| 168394 | KN 36 E | 35 | 25 | 8 | 7 |
| 168396 | KN 36 E | 35 | 25 | 9 | 8 |
| 168398 | KN 36 E | 35 | 25 | 10 | 9 |
| 168400 | KN 36 E | 35 | 25 | 11 | 10 |
| 168402 | KN 36 E | 36 | 25 | 6 | 5 |
| 168403 | KN 36 E | 36 | 28 | 6.3 | 5.8 |
| 168404 | KN 36 E | 36 | 28 | 9 | 8 |
| 168406 | KN 36 E | 38 | 25 | 11 | 10 |
| 168408 | KN 36 E | 38 | 28 | 8 | 7 |
| 168410 | KN 36 E | 38 | 30 | 6.3 | 5.8 |

KN 36

Sizes



| Item No. | Code | D | d | L | H |
|----------|---------|-------|-------|-------|------|
| 168412 | KN 36 E | 38 | 30 | 9 | 8 |
| 168348 | KN 36 E | 38.1 | 25.4 | 7.14 | 6.35 |
| 168413 | KN 36 E | 40 | 30 | 8 | 7 |
| 168415 | KN 36 E | 40 | 30 | 11 | 10 |
| 168418 | KN 36 E | 40 | 32 | 6.3 | 5.8 |
| 168419 | KN 36 E | 40 | 32 | 7 | 6 |
| 168420 | KN 36 E | 40 | 32 | 9 | 8 |
| 168422 | KN 36 E | 42 | 32 | 8 | 7 |
| 168423 | KN 36 E | 42 | 32 | 9 | 8 |
| 168425 | KN 36 E | 42 | 32 | 11 | 10 |
| 168426 | KN 36 E | 43 | 35 | 7 | 6 |
| 168428 | KN 36 E | 43 | 35 | 9 | 8 |
| 168429 | KN 36 E | 44 | 36 | 7 | 6 |
| 168430 | KN 36 E | 44 | 36 | 9 | 8 |
| 168379 | KN 36 E | 44.45 | 31.75 | 7.14 | 6.35 |
| 168431 | KN 36 E | 45 | 35 | 8 | 7 |
| 168433 | KN 36 E | 45 | 35 | 11 | 10 |
| 168438 | KN 36 E | 45 | 38 | 7 | 6 |
| 168441 | KN 36 E | 46 | 36 | 8 | 7 |
| 168443 | KN 36 E | 46 | 36 | 11 | 10 |
| 168444 | KN 36 E | 48 | 40 | 6.3 | 5.8 |
| 168445 | KN 36 E | 48 | 40 | 7 | 6 |
| 168446 | KN 36 E | 48 | 40 | 9 | 8 |
| 168448 | KN 36 E | 50 | 40 | 7 | 6 |
| 168450 | KN 36 E | 50 | 40 | 8 | 7 |
| 168451 | KN 36 E | 50 | 40 | 11 | 10 |
| 168453 | KN 36 E | 50 | 42 | 7 | 6 |
| 168456 | KN 36 E | 53 | 42 | 10 | 9 |
| 168458 | KN 36 E | 53 | 45 | 7 | 6 |
| 168459 | KN 36 E | 53 | 45 | 9 | 8 |
| 168461 | KN 36 E | 53 | 45 | 11 | 10 |
| 168463 | KN 36 E | 54 | 46 | 9 | 8 |
| 168464 | KN 36 E | 55 | 45 | 8 | 7 |
| 168466 | KN 36 E | 55 | 45 | 11 | 10 |
| 168439 | KN 36 E | 55 | 45 | 12 | 11 |
| 168471 | KN 36 E | 58 | 50 | 9 | 8 |
| 168472 | KN 36 E | 60 | 50 | 8 | 7 |
| 168454 | KN 36 E | 60 | 50 | 8.5 | 7.5 |
| 168473 | KN 36 E | 60 | 50 | 11 | 10 |
| 168476 | KN 36 E | 62 | 50 | 9 | 8 |
| 168478 | KN 36 E | 62 | 50 | 11 | 10 |
| 168479 | KN 36 E | 63 | 55 | 9 | 8 |
| 168482 | KN 36 E | 65 | 50 | 11 | 10 |
| 168484 | KN 36 E | 65 | 55 | 8 | 7.2 |
| 168485 | KN 36 E | 65 | 55 | 8.5 | 7.5 |
| 168486 | KN 36 E | 65 | 55 | 11 | 10 |
| 168488 | KN 36 E | 65 | 55 | 13 | 12 |
| 168490 | KN 36 E | 66 | 56 | 7.5 | 6.5 |
| 168493 | KN 36 E | 66 | 56 | 11 | 10 |
| 168468 | KN 36 E | 68 | 55 | 12 | 11 |
| 168494 | KN 36 E | 68 | 60 | 9 | 8 |
| 168495 | KN 36 E | 68 | 60 | 14 | 13 |
| 168474 | KN 36 E | 68 | 60 | 7 | 6 |
| 168499 | KN 36 E | 69 | 61 | 9 | 8 |
| 168470 | KN 36 E | 69.85 | 57.15 | 10.31 | 9.52 |

KN 36**Sizes**

| Item No. | Code | D | d | L | H |
|----------|---------|-------|-------|------|-------|
| 168500 | KN 36 E | 70 | 60 | 8 | 7.2 |
| 168501 | KN 36 E | 70 | 60 | 8 | 7 |
| 168506 | KN 36 E | 70 | 60 | 8.5 | 7.5 |
| 168508 | KN 36 E | 70 | 60 | 11 | 10 |
| 168510 | KN 36 E | 70 | 60 | 13 | 12 |
| 168513 | KN 36 E | 71 | 56 | 9.5 | 8.5 |
| 168514 | KN 36 E | 71 | 63 | 9 | 8 |
| 168515 | KN 36 E | 72 | 60 | 10 | 9 |
| 168516 | KN 36 E | 73 | 65 | 9 | 8 |
| 168480 | KN 36 E | 75 | 63 | 9.5 | 8.5 |
| 168380 | KN 36 E | 75 | 63 | 11 | 10 |
| 168519 | KN 36 E | 75 | 65 | 13 | 12 |
| 168497 | KN 36 E | 76 | 68 | 9 | 8 |
| 168520 | KN 36 E | 77 | 65 | 10 | 9 |
| 168522 | KN 36 E | 78 | 70 | 9 | 8 |
| 168524 | KN 36 E | 78 | 72 | 7 | 6.5 |
| 168525 | KN 36 E | 79 | 71 | 9 | 8 |
| 168489 | KN 36 E | 80 | 65 | 12.5 | 11.5 |
| 168529 | KN 36 E | 80 | 66 | 11 | 10.5 |
| 168512 | KN 36 E | 80 | 70 | 7.5 | 6.5 |
| 168531 | KN 36 E | 80 | 70 | 8 | 7 |
| 168533 | KN 36 E | 80 | 70 | 11 | 10 |
| 168535 | KN 36 E | 80 | 70 | 13 | 12 |
| 168536 | KN 36 E | 82 | 70 | 10 | 9 |
| 168538 | KN 36 E | 84 | 76 | 9 | 8 |
| 168540 | KN 36 E | 85 | 75 | 8 | 7.2 |
| 168542 | KN 36 E | 85 | 75 | 13 | 12 |
| 168543 | KN 36 E | 85.99 | 79.75 | 7.5 | 6.5 |
| 168545 | KN 36 E | 86 | 78 | 14 | 13 |
| 168548 | KN 36 E | 90 | 80 | 8 | 7.2 |
| 168551 | KN 36 E | 90 | 80 | 13 | 12 |
| 168554 | KN 36 E | 90 | 80 | 15 | 14 |
| 168558 | KN 36 E | 93 | 78 | 11.5 | 10.5 |
| 168562 | KN 36 E | 95 | 85 | 8 | 7 |
| 168527 | KN 36 E | 95.25 | 79.37 | 12.7 | 11.11 |
| 168564 | KN 36 E | 96 | 88 | 9 | 8 |
| 171187 | KN 36 E | 97 | 85 | 9.5 | 9 |
| 168569 | KN 36 E | 98 | 90 | 9 | 8 |
| 168571 | KN 36 E | 99 | 91 | 9 | 8 |
| 168573 | KN 36 E | 100 | 90 | 7.5 | 6.5 |
| 168560 | KN 36 E | 102 | 94 | 14 | 13 |
| 168575 | KN 36 E | 105 | 97 | 14 | 13 |
| 168576 | KN 36 E | 108 | 100 | 9 | 8 |
| 168579 | KN 36 E | 112 | 95 | 12.5 | 11.5 |
| 168581 | KN 36 E | 115 | 107 | 9 | 8 |
| 168577 | KN 36 E | 118 | 110 | 14 | 13 |
| 168582 | KN 36 E | 126 | 118 | 14 | 13 |
| 172569 | KN 36 E | 133 | 125 | 7.5 | 6.5 |
| 168584 | KN 36 E | 134 | 126 | 9 | 8 |
| 168586 | KN 36 E | 135 | 120 | 16 | 15.5 |
| 168589 | KN 36 E | 151 | 143 | 14 | 13 |
| 168591 | KN 36 E | 153 | 145 | 9 | 8 |
| 168588 | KN 36 E | 155.5 | 140 | 6.7 | 5.8 |
| 172533 | KN 36 E | 160 | 150 | 13.5 | 12.5 |
| 172532 | KN 36 E | 190 | 180 | 13.5 | 12.5 |

KN 36

| Item No. | Code | D | d | L | H |
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Sizes

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|-------|---------|-------|-----|---|---|
| 61988 | KN 36 E | 239.2 | 230 | 8 | 7 |
|-------|---------|-------|-----|---|---|

