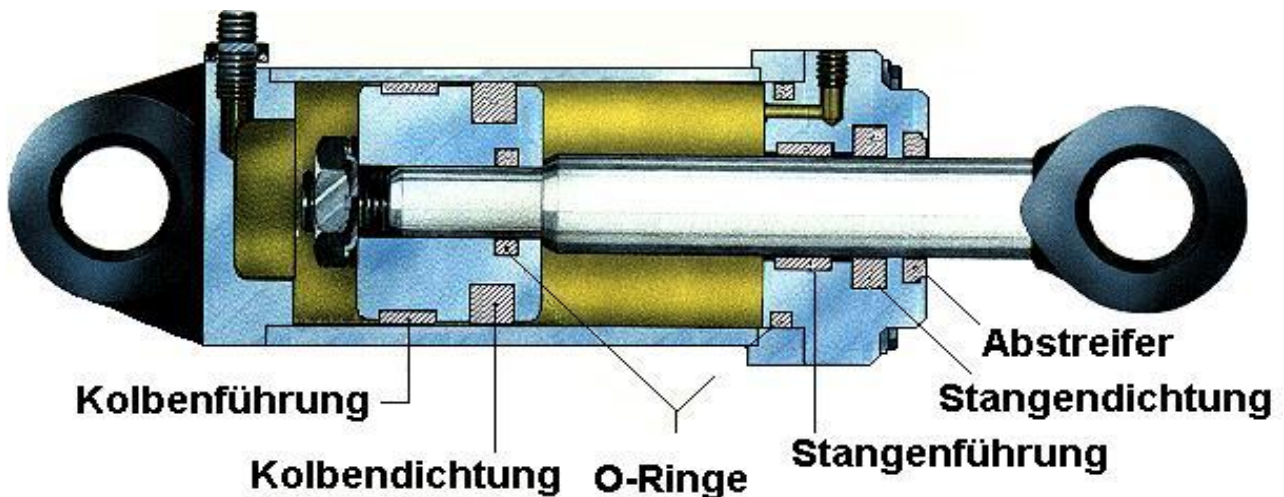

04-1 TECHNISCHE DICHTUNGEN

| | Seite/n |
|--|----------------|
| Abstreifer / Doppel-Abstreifer | 2 - 5 |
| Abstreifer ohne Metall | 2 |
| Abstreifer mit Metall | 4 |
| Nutringe (Hydraulik Kolben- u. Stangendichtungen) | 6 - 16 |
| Stangen- & Kolbendichtungen NBR | 7 |
| Stangen- & Kolbendichtungen PUR | 9 |
| Stangendichtungen NBR (Nitril) | 12 |
| Stangendichtungen NBR/Textil | 13 |
| Stangendichtungen PUR (Polyurethan) | 14 |
| Montagewerkzeug für Stangendichtungen | 15 |
| Kolbendichtungen NBR (Nitril) | 15 |
| Kolbendichtungen mit Stützring PUR/POM | 16 |
| Compact-Kolbendichtungen für einteilige Kolben | 17 |
| Gleitringdichtungen | 18 - 19 |
| Gleitringdichtungen für Stangen | 18 |
| Gleitringdichtungen für Kolben | 19 |
| Führungselemente | 19 - 20 |
| Slydringe Kolben-Führungsringe Schrägschnitt offen | 19 |
| Führungsbänder | 20 |
| Drehdurchführungen | 20 |
| Pneumatik-Dichtungen | 21 - 22 |
| Pneumatik-Stangendichtringe AU NIPSL / QHLP | 21 |
| Pneumatik Dämpfungsdichtung AU DIP | 22 |
| Axial-Wellendichtringe (V-Ringe) | 22 - 24 |
| Back-up-Ringe (Stützringe) | 24 |
| Usit-Ringe NBR (Megu-Ringe / Schraubendichtungen) | 25 - 26 |

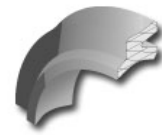
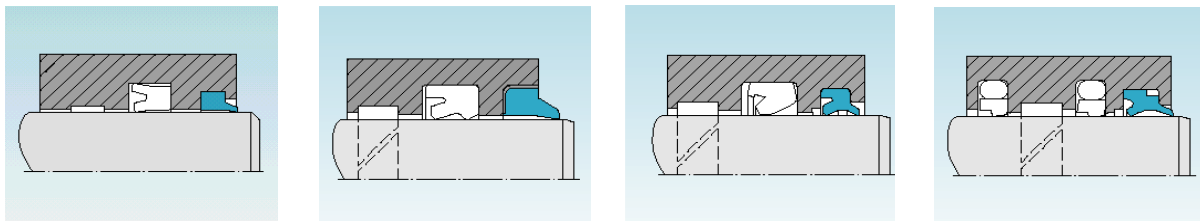


Dichtelemente für die Hydraulik



Abstreifer / Doppel-Abstreifer

An Kolbenstangen zur Fernhaltung von Schmutz und Fremdkörpern.



ohne Blecharmierung

Mit Metallgehäuse

Doppel-Abstreifer

Doppel-Abstreifer

NBR > A
PUR > AP

AS
AS-P

AN
AP-N

ADA 17

Abstreifer ohne Metall

Einbau: Durch nierenförmiges Verformen.

Sonderformen

mit Borde aussen AY3



A-PWB



| Art.-Nr. | Abmessung/mm | | Breite | Typ | Material | Preis/Stk. | | |
|-------------|--------------|------|--------|------|----------|------------|--------|--------|
| | Ø i | Ø a | | | | < 5 | ≥ 5 | ≥ 10 |
| 04.130.0816 | 8 | 16 | 4/7 | A | NBR | 8.35 | 15.00% | 25.00% |
| 04.136.1018 | 10 | 18 | 4.5/6 | AP-N | PUR | 7.50 | 15.00% | 25.00% |
| 04.130.1220 | 12 | 20 | 4/7 | A | NBR | 8.35 | 15.00% | 25.00% |
| 04.138.1424 | 14 | 24 | 5/7 | AN | NBR | 17.55 | 15.00% | 25.00% |
| 04.130.1521 | 15 | 21.6 | 3.5/5 | A | NBR | 8.35 | 15.00% | 25.00% |
| 04.130.1622 | 16 | 22.6 | 3.5/5 | A | NBR | 9.80 | 15.00% | 25.00% |

| Art.-Nr. | Abmessung/mm | | Breite | Typ | Material | Preis/Stk. | | | |
|-------------|--------------|-------|--------|-------|-----------|------------|--------|--------|--------|
| | Ø i | Ø a | | | | < 5 | ≥ 5 | ≥ 10 | |
| 04.130.1624 | 16 | 24 | 4/7 | A | NBR | 9.80 | 15.00% | 25.00% | |
| 04.136.1624 | 16 | 24 | 4.5/6 | AP-N | 19.5 / 22 | PUR | 17.15 | 15.00% | 25.00% |
| 04.138.1626 | 16 | 26 | 5/7 | AN | | NBR | 27.95 | 15.00% | 25.00% |
| 04.130.1826 | 18 | 26 | 4/7 | A | | NBR | 7.20 | 15.00% | 25.00% |
| 04.134.1827 | 18 | 26 | 4.8/7 | AP | | PUR | 7.50 | 15.00% | 25.00% |
| 04.130.2028 | 20 | 28 | 4/7 | A | | NBR | 9.80 | 15.00% | 25.00% |
| 04.137.2028 | 20 | 28 | 4/7 | ADA17 | 23.5 / 26 | NBR | 14.85 | 15.00% | 25.00% |
| 04.134.2030 | 20 | 30 | 5/7 | AP | | PUR | 12.80 | 15.00% | 25.00% |
| 04.130.2231 | 22 | 30 | 4/7 | A | | NBR | 9.80 | 15.00% | 25.00% |
| 04.134.2230 | 22 | 30 | 4/7 | AP | | PUR | 9.80 | 15.00% | 25.00% |
| 04.130.2534 | 25 | 33 | 4/7 | A | | NBR | 9.80 | 15.00% | 25.00% |
| 04.134.2532 | 25 | 33 | 4/7 | AP | | PUR | 13.70 | 15.00% | 25.00% |
| 04.130.2533 | 25 | 33.6 | 5/7 | A | | NBR | 9.80 | 15.00% | 25.00% |
| 04.130.2535 | 25 | 35 | 5/7 | A | | NBR | 15.75 | 15.00% | 25.00% |
| 04.136.2535 | 25 | 35 | 5/7 | AP-N | | PUR | 23.75 | 15.00% | 25.00% |
| 04.136.2536 | 25 | 35 | 6/7 | AP-N | | PUR | 23.75 | 15.00% | 25.00% |
| 04.130.2735 | 27 | 35.6 | 5/7 | A | | NBR | 9.80 | 15.00% | 25.00% |
| 04.134.2836 | 28 | 36 | 4/7 | AP | | PUR | 9.80 | 15.00% | 25.00% |
| 04.134.3038 | 30 | 38 | 4/7 | AP | | PUR | 9.80 | 15.00% | 25.00% |
| 04.130.3040 | 30 | 40 | 5/7 | A | | NBR | 9.80 | 15.00% | 25.00% |
| 04.136.3040 | 30 | 40 | 6/7 | AP-N | | PUR | 20.00 | 15.00% | 25.00% |
| 04.130.3144 | 31.75 | 44.45 | 5.3/10 | A-PWS | | NBR | 12.80 | 15.00% | 25.00% |
| 04.130.3240 | 32 | 40 | 4/7 | A | | NBR | 9.80 | 15.00% | 25.00% |
| 04.134.3240 | 32 | 40 | 4/7 | AP | | PUR | 9.80 | 15.00% | 25.00% |
| 04.130.3242 | 32 | 42 | 5/8 | A | | NBR | 12.80 | 15.00% | 25.00% |
| 04.134.3544 | 35 | 43 | 4/7 | AP | | PUR | 9.80 | 15.00% | 25.00% |
| 04.134.3543 | 35 | 43.6 | 5/7 | AP | | PUR | 12.80 | 15.00% | 25.00% |
| 04.130.3545 | 35 | 45 | 5/7 | A | | NBR | 12.80 | 15.00% | 25.00% |
| 04.130.3644 | 36 | 44 | 4/7 | A | | NBR | 12.80 | 15.00% | 25.00% |
| 04.130.3645 | 36 | 44 | 6/8 | A | | NBR | 12.80 | 15.00% | 25.00% |
| 04.130.4048 | 40 | 48 | 4/7 | A | | NBR | 14.40 | 15.00% | 25.00% |
| 04.136.4048 | 40 | 48 | 5/7 | AP-N | 43.5 / 46 | PUR | 18.00 | 15.00% | 25.00% |
| 04.134.4048 | 40 | 48.6 | 5/7 | AP | | PUR | 12.80 | 15.00% | 25.00% |
| 04.136.4050 | 40 | 50 | 6/7 | AP-N | | PUR | 18.00 | 15.00% | 25.00% |
| 04.130.4250 | 42 | 50 | 4/7 | A | | NBR | 9.80 | 15.00% | 25.00% |
| 04.134.4553 | 45 | 53.6 | 5/7 | AP | | PUR | 14.40 | 15.00% | 25.00% |
| 04.134.4560 | 45 | 60 | 4/7 | AP | | PUR | 18.00 | 15.00% | 25.00% |
| 04.134.5058 | 50 | 58 | 4/7 | AP | | PUR | 18.00 | 15.00% | 25.00% |
| 04.134.5060 | 50 | 60 | 5/7 | AP | | PUR | 18.00 | 15.00% | 25.00% |
| 04.130.5563 | 55 | 63 | 4/7 | A | | NBR | 12.55 | 15.00% | 25.00% |
| 04.136.5563 | 55 | 63 | 5/7 | AP-N | 58.5 / 61 | PUR | 18.00 | 15.00% | 25.00% |
| 04.131.5566 | 55 | 65 | 5/7 | AP | | PUR | 13.80 | 15.00% | 25.00% |

| Art.-Nr. | Abmessung/mm | | Breite | Typ | Material | Preis/Stk. | | |
|-------------|--------------|-------|--------|-------------------|----------|------------|--------|--------|
| | Ø i | Ø a | | | | < 5 | ≥ 5 | ≥ 10 |
| 04.130.6068 | 60 | 68 | 4/7 | A | NBR | 13.80 | 15.00% | 25.00% |
| 04.130.6575 | 65 | 75.6 | 5/7 | A | NBR | 15.55 | 15.00% | 25.00% |
| 04.130.6979 | 69.85 | 78.99 | 5.84 | A-PWB | NBR | 15.55 | 15.00% | 25.00% |
| 04.134.7078 | 70 | 78 | 4/7 | A | NBR | 18.00 | 15.00% | 25.00% |
| 04.137.7078 | 70 | 78 | 6 | ADA17 73.5 / 76 | NBR | 19.45 | 15.00% | 25.00% |
| 04.137.8088 | 80 | 88 | 6 | ADA17 83.5 / 86 | NBR | 17.15 | 15.00% | 25.00% |
| 04.135.8088 | 80 | 88.6 | 5/7 | A | NBR | 18.40 | 15.00% | 25.00% |
| 04.130.8290 | 82 | 90 | 5/7 | A | NBR | 18.40 | 15.00% | 25.00% |
| 04.130.8291 | 82.5 | 90.5 | 4/7 | A | NBR | 22.75 | 15.00% | 25.00% |
| 04.130.9210 | 92 | 100 | 7 | A | NBR | 23.75 | 15.00% | 25.00% |
| 04.135.9510 | 95 | 103 | 5/7 | AP | PUR | 20.25 | 15.00% | 25.00% |
| 04.139.9710 | 97 | 105.5 | 5/8.5 | AY3 | NBR | 39.40 | 15.00% | 25.00% |
| 04.130.1011 | 100 | 108 | 4/7 | A | NBR | 20.95 | 15.00% | 25.00% |
| 04.137.1011 | 100 | 108 | 6 | ADA17 103.5 / 106 | NBR | 22.55 | 15.00% | 25.00% |
| 04.135.1016 | 108 | 116 | 5/7 | AP-V | PUR | 22.55 | 15.00% | 25.00% |

Abstreifer mit Metall

Einbau: Durch Einpressen in axial offene Einbauräume.



^

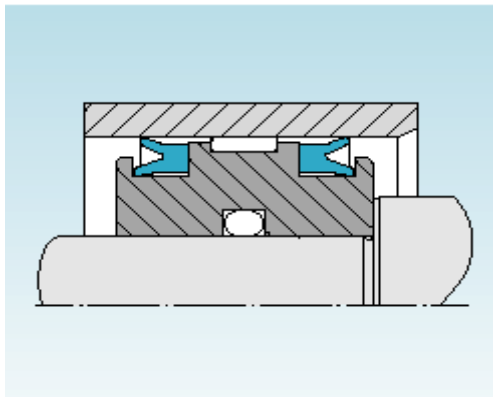
| Art.-Nr. | Abmessung/mm | | Breite | Typ | Material | Preis/Stk. | | |
|-------------|--------------|-----|--------|------------|----------|------------|--------|--------|
| | Ø i | Ø a | | | | < 5 | ≥ 5 | ≥ 10 |
| 04.131.1016 | 10 | 16 | 3/4.5 | AS | NBR | 8.35 | 15.00% | 25.00% |
| 04.131.1020 | 10 | 20 | 5/8 | AS | NBR | 8.35 | 15.00% | 25.00% |
| 04.131.1218 | 12 | 18 | 3.5/5 | AS | TPU | 8.35 | 15.00% | 25.00% |
| 04.131.1220 | 12 | 20 | 4/6 | AS | NBR | 8.35 | 15.00% | 25.00% |
| 04.131.1222 | 12 | 22 | 5/8 | AS | NBR | 8.35 | 15.00% | 25.00% |
| 04.131.1622 | 16 | 22 | 3/4 | AS | NBR | 8.35 | 15.00% | 25.00% |
| 04.131.1626 | 16 | 26 | 5/8 | AS | NBR | 8.35 | 15.00% | 25.00% |
| 04.134.1826 | 18 | 26 | 4.5/5 | AS-P | PUR | 9.80 | 15.00% | 25.00% |
| 04.131.1828 | 18 | 28 | 5/7 | AS | NBR | 8.35 | 15.00% | 25.00% |
| 04.131.1829 | 18 | 28 | 7/10 | AS | NBR | 8.35 | 15.00% | 25.00% |
| 04.131.1927 | 19 | 27 | 4/6 | AS | NBR | 10.25 | 15.00% | 25.00% |
| 04.131.2026 | 20 | 26 | 3.5/8 | AS | NBR | 10.25 | 15.00% | 25.00% |
| 04.131.2028 | 20 | 28 | 3.5/5 | AS | NBR | 7.50 | 15.00% | 25.00% |
| 04.131.2030 | 20 | 30 | 4/6 | AS | NBR | 9.80 | 15.00% | 25.00% |
| 04.131.2029 | 20 | 30 | 5/8 | AS | NBR | 9.80 | 15.00% | 25.00% |
| 04.131.2031 | 20 | 30 | 7 | AS Garlock | NBR | 23.75 | 15.00% | 25.00% |
| 04.131.2032 | 20 | 30 | 7/10 | AS | NBR | 7.50 | 15.00% | 25.00% |
| 04.131.2035 | 20 | 35 | 7/10 | AS | NBR | 9.80 | 15.00% | 25.00% |
| 04.131.2228 | 22 | 28 | 5/9 | AS | NBR | 7.50 | 15.00% | 25.00% |
| 04.131.2232 | 22 | 32 | 5/7 | AS | NBR | 9.80 | 15.00% | 25.00% |
| 04.131.2233 | 22 | 32 | 7/10 | AS | NBR | 15.75 | 15.00% | 25.00% |
| 04.131.2235 | 22 | 35 | 5/8 | AS | NBR | 17.70 | 15.00% | 25.00% |
| 04.131.2531 | 25 | 31 | 5/7 | AS | NBR | 13.70 | 15.00% | 25.00% |
| 04.131.2535 | 25 | 35 | 7/10 | AS | NBR | 9.80 | 15.00% | 25.00% |
| 04.135.2535 | 25 | 35 | 7/10 | AS-P | PUR | 23.75 | 15.00% | 25.00% |
| 04.131.2838 | 28 | 38 | 5/8 | AS | NBR | 9.80 | 15.00% | 25.00% |

| Art.-Nr. | Abmessung/mm | | Breite | Typ | Material | Preis/Stk. | | |
|-------------|--------------|-----|--------|---------------|----------|------------|--------|--------|
| | Ø i | Ø a | | | | < 5 | ≥ 5 | ≥ 10 |
| 04.131.3041 | 30 | 40 | 5/7 | AS | NBR | 12.80 | 15.00% | 25.00% |
| 04.131.3040 | 30 | 40 | 7/10 | AS | NBR | 9.80 | 15.00% | 25.00% |
| 04.131.3242 | 32 | 42 | 5/7 | AS | NBR | 12.80 | 15.00% | 25.00% |
| 04.131.3245 | 32 | 45 | 4/8 | AS | NBR | 12.80 | 15.00% | 25.00% |
| 04.131.3246 | 32 | 45 | 7/10 | AS | NBR | 12.80 | 15.00% | 25.00% |
| 04.131.3545 | 35 | 45 | 7/10 | AS | NBR | 9.80 | 15.00% | 25.00% |
| 04.131.3646 | 36 | 46 | 5/7 | AS | NBR | 18.00 | 15.00% | 25.00% |
| 04.131.3848 | 38 | 48 | 7/10 | AS | NBR | 9.80 | 15.00% | 25.00% |
| 04.131.4050 | 40 | 50 | 5/8 | AS | NBR | 9.80 | 15.00% | 25.00% |
| 04.134.4050 | 40 | 50 | 5/8 | AS-P | PUR | 18.00 | 15.00% | 25.00% |
| 04.131.4051 | 40 | 50 | 7/10 | AS | NBR | 9.80 | 15.00% | 25.00% |
| 04.131.4052 | 40 | 52 | 5/8 | AS | NBR | 13.80 | 15.00% | 25.00% |
| 04.131.4252 | 42 | 52 | 7/10 | AS | NBR | 14.40 | 15.00% | 25.00% |
| 04.131.4555 | 45 | 55 | 7/10 | AS | NBR | 13.80 | 15.00% | 25.00% |
| 04.131.4560 | 45 | 60 | 7/10 | AS | NBR | 8.35 | 15.00% | 25.00% |
| 04.131.5056 | 50 | 56 | 5/8 | AS | NBR | 9.80 | 15.00% | 25.00% |
| 04.131.5060 | 50 | 60 | 7/10 | AS | NBR | 11.80 | 15.00% | 25.00% |
| 04.131.5065 | 50 | 65 | 7/10 | AS | NBR | 12.55 | 15.00% | 25.00% |
| 04.131.5563 | 55 | 63 | 7/10 | AS | NBR | 12.55 | 15.00% | 25.00% |
| 04.131.5465 | 55 | 65 | 5/7 | AS | NBR | 13.80 | 15.00% | 25.00% |
| 04.131.5565 | 55 | 65 | 7/10 | AS | NBR | 12.55 | 15.00% | 25.00% |
| 04.131.6070 | 60 | 70 | 7/10 | AS | NBR | 13.80 | 15.00% | 25.00% |
| 04.131.6575 | 65 | 75 | 7/10 | AS | NBR | 15.55 | 15.00% | 25.00% |
| 04.131.7080 | 70 | 80 | 7/10 | AS | NBR | 18.00 | 15.00% | 25.00% |
| 04.131.7090 | 70 | 90 | 7/10 | AS | NBR | 19.45 | 15.00% | 25.00% |
| 04.132.7583 | 75 | 83 | 7 | AS Metallkern | NBR | 17.15 | 15.00% | 25.00% |
| 04.131.7585 | 75 | 85 | 7/10 | AS | NBR | 17.15 | 15.00% | 25.00% |
| 04.131.8090 | 80 | 90 | 7/10 | AS | NBR | 18.40 | 15.00% | 25.00% |
| 04.135.8090 | 80 | 90 | 7/10 | AS-P | PUR | 30.80 | 15.00% | 25.00% |
| 04.131.8095 | 80 | 95 | 7.5 | AS-HDW | PUR | 28.65 | 15.00% | 25.00% |
| 04.131.9010 | 90 | 100 | 7/10 | AS | NBR | 20.85 | 15.00% | 25.00% |
| 04.131.1011 | 100 | 110 | 7/10 | AS | NBR | 22.90 | 15.00% | 25.00% |
| 04.135.1112 | 110 | 120 | 7/10 | AS-P | PUR | 41.00 | 15.00% | 25.00% |
| 04.131.1314 | 130 | 145 | 9/12 | AS | NBR | 28.65 | 15.00% | 25.00% |

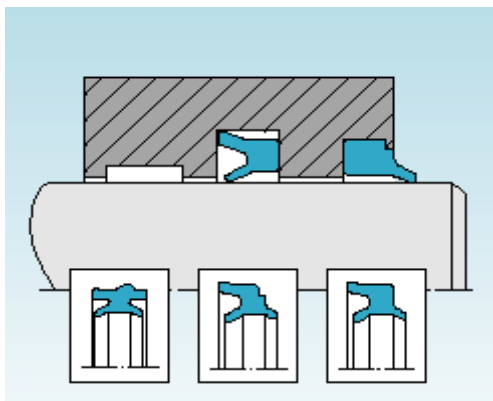
Nutringe (Hydraulik Kolben- u. Stangendichtungen)



Typ
K



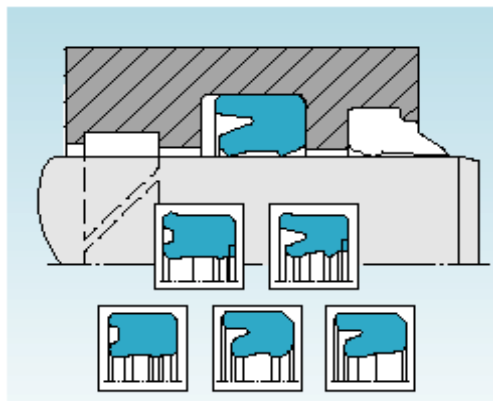
Nutring mit asymmetrischem Profil der Dichtlippen
(**Aussendichtend**)



Nutring mit asymmetrischem Profil der Dichtlippen
(**Innendichtend**)



Stangendichtung Typ B
(NBR mit Textil)



Nutring mit symmetrischem Profil der Dichtlippen und zurückversetzten Dichtkanten
(**beidseitig dichtend**)



Mit symmetrischen Dichtlippen zur Abdichtung von Kolben und Kolbenstangen.
Einschnappbare Nutringe bieten besonders einfache Einbaumöglichkeiten



Stangen- & Kolbendichtungen NBR

Nitril Symetrisch



Nutring mit symmetrischem Profil der Dichtlippen
und zurückversetzten Dichtkanten (beidseitig dichtend)



Kolben- & Stangendichtungen aus NBR

| Art.-Nr. | Abmessung/mm | | * ¹ Breite Di / Nut | Material Qualität | Härte ca. °Shore | Druck max/Bar | Typ | Preis/Stk. | | |
|-------------|--------------|---------|-----------------------------------|----------------------|---------------------|------------------|-------|------------|--------|--------|
| | Øinnen | Øaussen | | | | | | < 5 | ≥ 5 | ≥ 10 |
| 04.120.0410 | 4 | 10 | 4/4.7 | NBR | 90 | 100 | S + K | 14.45 | 15.00% | 25.00% |
| 04.120.0512 | 5 | 12 | 5/6.5 | NBR | 90 | 100 | S + K | 9.80 | 15.00% | 25.00% |
| 04.120.0612 | 6 | 12 | 4/4.7 | NBR | 90 | 100 | S + K | 10.40 | 15.00% | 25.00% |
| 04.120.0616 | 6 | 16 | 6/7.5 | NBR | 90 | 100 | S + K | 9.80 | 15.00% | 25.00% |
| 04.120.0611 | 6.35 | 11.10 | 3.14/3.7 | NBR | 85 | 80 | S + K | 10.40 | 15.00% | 25.00% |
| 04.120.0814 | 8 | 14 | 4/4.7 | NBR | 90 | 80 | S + K | 15.75 | 15.00% | 25.00% |
| 04.120.0816 | 8 | 16 | 4/4.7 | NBR | 90 | 100 | S + K | 9.80 | 15.00% | 25.00% |
| 04.120.0818 | 8 | 18 | 6/7.5 | NBR | 90 | 100 | S + K | 9.80 | 15.00% | 25.00% |
| 04.120.0825 | 8 | 25 | 6/7 | NBR | 80 | 80 | S + K | 10.40 | 15.00% | 25.00% |
| 04.120.0915 | 9.52 | 15.88 | 3.17/4 | NBR | 80 | 80 | S + K | 14.45 | 15.00% | 25.00% |
| 04.120.1014 | 10 | 14 | 1.8/3 | NBR | 80 | 80 | S + K | a.A | 15.00% | 25.00% |
| 04.120.1016 | 10 | 16 | 4/4.7 | NBR | 90 | 100 | S + K | 10.25 | 15.00% | 25.00% |
| 04.120.1020 | 10 | 20 | 8/9 | NBR | 90 | 100 | S + K | 10.25 | 15.00% | 25.00% |
| 04.120.1022 | 10 | 22 | 6/7 | NBR | 90 | 100 | S + K | 10.25 | 15.00% | 25.00% |
| 04.120.1025 | 10 | 25 | 10/11 | NBR | 90 | 100 | S + K | 10.40 | 15.00% | 25.00% |
| 04.120.1218 | 12 | 18 | 4/4.7 | NBR | 90 | 100 | S + K | 10.40 | 15.00% | 25.00% |
| 04.120.1221 | 12 | 20 | 4/5 | NBR | 90 | 150 | S + K | 10.40 | 15.00% | 25.00% |
| 04.120.1220 | 12 | 20 | 8/9 | NBR | 90 | 100 | S + K | 10.40 | 15.00% | 25.00% |
| 04.120.1223 | 12 | 22 | 5/6 | NBR | 90 | 100 | S + K | 10.40 | 15.00% | 25.00% |
| 04.120.1224 | 12 | 24 | 10/11 | NBR | 90 | 100 | S + K | 16.70 | 15.00% | 25.00% |
| 04.120.1225 | 12 | 25 | 8/9 | NBR | 90 | 100 | S + K | 10.40 | 15.00% | 25.00% |
| 04.120.1222 | 12.70 | 22.22 | 4.76/6.0 | NBR | 90 | 100 | S + K | 10.40 | 15.00% | 25.00% |
| 04.120.1324 | 13 | 24 | 6/7 | NBR | 90 | 100 | S + K | 10.40 | 15.00% | 25.00% |
| 04.120.1422 | 14 | 22 | 6/7 | NBR | 90 | 100 | S + K | 10.75 | 15.00% | 25.00% |
| 04.120.1520 | 15 | 20 | 3/3.6 | NBR | 90 | 100 | S + K | 10.75 | 15.00% | 25.00% |
| 04.120.1522 | 15 | 22 | 4/4.7 | NBR | 90 | 100 | S + K | 10.75 | 15.00% | 25.00% |
| 04.120.1526 | 15 | 25 | 5/6 | NBR | 90 | 100 | S + K | 10.75 | 15.00% | 25.00% |
| 04.120.1525 | 15.87 | 25.4 | 6.35/7.5 | NBR | 90 | 100 | S + K | 10.75 | 15.00% | 25.00% |
| 04.120.1622 | 16 | 22 | 4/5 | NBR | 80 | 100 | S + K | a.A | 15.00% | 25.00% |
| 04.120.1624 | 16 | 24 | 6/7 | NBR | 80 | 500 | S + K | 10.75 | 15.00% | 25.00% |
| 04.120.1626 | 16 | 26 | 5/6 | NBR | 80 | 100 | S + K | a.A | 15.00% | 25.00% |
| 04.120.1632 | 16 | 32 | 10/11 | NBR | 80 | 100 | S + K | 10.75 | 15.00% | 25.00% |
| 04.120.1824 | 18 | 24 | 4/4.7 | NBR | 90 | 100 | S + K | 10.75 | 15.00% | 25.00% |
| 04.120.1825 | 18 | 25 | 4/5 | NBR | 90 | 100 | S + K | 10.75 | 15.00% | 25.00% |
| 04.120.1828 | 18 | 28 | 8/9 | NBR | 80 | 80 | S + K | 10.75 | 15.00% | 25.00% |
| 04.120.1830 | 18 | 30 | 10/11.5 | NBR | 80 | 80 | S + K | 10.75 | 15.00% | 25.00% |
| 04.120.1834 | 18 | 34 | 8 | NBR | 80 | 80 | S + K | 10.75 | 15.00% | 25.00% |

*¹Breite= Di (ca. Breite der Dichtung) / Nut (empfohlene Nutbreite) je nach Bauform sollte die Nut 0.5-1.5 mm Breiter sein als die Dichtung.

| Art.-Nr. | Abmessung/mm | | * ¹ Breite Di / Nut | Material Qualität | Härte ca. °Shore | Druck max/Bar | Typ | Preis/Stk. | | |
|-------------|--------------|--------|-----------------------------------|----------------------|---------------------|------------------|-------|------------|--------|--------|
| | Øinnen | Øausen | | | | | | < 5 | ≥ 5 | ≥ 10 |
| 04.120.1926 | 19 | 26 | 5/9 | NBR | 90 | 100 | S + K | 11.25 | 15.00% | 25.00% |
| 04.120.2028 | 20 | 28 | 4/4.7 | NBR | 80 | 80 | S + K | 11.25 | 15.00% | 25.00% |
| 04.120.2030 | 20 | 30 | 6/7.5 | NBR | 90 | 100 | S + K | 11.25 | 15.00% | 25.00% |
| 04.120.2035 | 20 | 35 | 10/11 | NBR | 80 | 100 | S + K | 11.25 | 15.00% | 25.00% |
| 04.120.2040 | 20 | 40 | 10/11 | NBR | 90 | 100 | S + K | 11.85 | 15.00% | 25.00% |
| 04.120.2045 | 20 | 45 | 12/13 | NBR | 90 | 100 | S + K | 27.70 | 15.00% | 25.00% |
| 04.120.2230 | 22 | 30 | 6/7 | NBR | 90 | 100 | S + K | 11.85 | 15.00% | 25.00% |
| 04.120.2242 | 22 | 42 | 10/11 | NBR | 87 | 100 | S + K | 11.85 | 15.00% | 25.00% |
| 04.120.2232 | 22.22 | 31.75 | 6.35/7 | NBR | 80 | 80 | S + K | 27.70 | 15.00% | 25.00% |
| 04.120.2434 | 24 | 34 | 5/6 | NBR | 80 | 100 | S + K | 13.05 | 15.00% | 25.00% |
| 04.120.2440 | 24 | 40 | 8/9 | NBR | 90 | 100 | S + K | 13.05 | 15.00% | 25.00% |
| 04.120.2533 | 25 | 33 | 7/8 | NBR | 90 | 100 | S + K | 13.05 | 15.00% | 25.00% |
| 04.120.2535 | 25 | 35 | 5/6 | NBR | 90 | 100 | S + K | 13.05 | 15.00% | 25.00% |
| 04.120.2538 | 25 | 38 | 7/8 | NBR | 90 | 100 | S + K | 13.05 | 15.00% | 25.00% |
| 04.120.2540 | 25 | 40 | 10/11 | NBR | 90 | 100 | S + K | 13.65 | 15.00% | 25.00% |
| 04.120.2545 | 25 | 45 | 10/11.5 | NBR | 90 | 100 | S + K | 14.30 | 15.00% | 25.00% |
| 04.120.2531 | 25.4 | 31.75 | 3.17/4.5 | NBR | 90 | 100 | S + K | 19.10 | 15.00% | 25.00% |
| 04.120.2638 | 26 | 38 | 6/7 | NBR | 90 | 100 | S + K | 14.30 | 15.00% | 25.00% |
| 04.120.3040 | 30 | 40 | 5/6 | NBR | 90 | 100 | S + K | 14.30 | 15.00% | 25.00% |
| 04.120.3042 | 30 | 42 | 10/11 | NBR | 90 | 100 | S + K | 14.30 | 15.00% | 25.00% |
| 04.120.3045 | 30 | 45 | 10/11.5 | NBR | 90 | 100 | S + K | 14.30 | 15.00% | 25.00% |
| 04.120.3050 | 30 | 50 | 10/11 | NBR | 90 | 100 | S + K | 15.75 | 15.00% | 25.00% |
| 04.120.3240 | 32 | 40 | 7/8 | NBR | 90 | 100 | S + K | 15.75 | 15.00% | 25.00% |
| 04.120.3248 | 32 | 48 | 8/9 | NBR | 90 | 100 | S + K | 15.75 | 15.00% | 25.00% |
| 04.120.3545 | 35 | 45 | 6/7 | NBR | 90 | 100 | S + K | 15.75 | 15.00% | 25.00% |
| 04.120.3550 | 35 | 50 | 10/11.5 | NBR | 90 | 100 | S + K | 15.75 | 15.00% | 25.00% |
| 04.120.3552 | 35 | 52 | 12/13 | NBR | 80 | 80 | S + K | 15.75 | 15.00% | 25.00% |
| 04.120.3555 | 35 | 55 | 10/11.5 | NBR | 90 | 100 | S + K | 16.70 | 15.00% | 25.00% |
| 04.120.3644 | 36 | 44 | 4/5 | NBR | 80 | 80 | S + K | 16.70 | 15.00% | 25.00% |
| 04.120.3655 | 36 | 55 | 10/11 | NBR | 90 | 100 | S + K | 16.70 | 15.00% | 25.00% |
| 04.120.3850 | 38 | 50 | 6/7 | NBR | 90 | 100 | S + K | 16.70 | 15.00% | 25.00% |
| 04.120.3945 | 39 | 45 | 4/5 | NBR | 80 | 80 | S + K | 31.50 | 15.00% | 25.00% |
| 04.120.4048 | 40 | 48 | 5.5/6.5 | NBR | 80 | 80 | S + K | 16.70 | 15.00% | 25.00% |
| 04.120.4050 | 40 | 50 | 5/6 | NBR | 90 | 80 | S + K | 16.70 | 15.00% | 25.00% |
| 04.120.4052 | 40 | 52 | 8/9 | NBR | 80 | 100 | S + K | 16.70 | 15.00% | 25.00% |
| 04.120.4055 | 40 | 55 | 10/11.5 | NBR | 90 | 100 | S + K | 16.70 | 15.00% | 25.00% |
| 04.120.4056 | 40 | 56 | 10/11 | NBR | 90 | 100 | S + K | 16.70 | 15.00% | 25.00% |
| 04.120.4060 | 40 | 60 | 10/11.5 | NBR | 80 | 80 | S + K | 17.35 | 15.00% | 25.00% |
| 04.120.4250 | 42 | 50 | 6/7 | NBR | 90 | 100 | S + K | 17.35 | 15.00% | 25.00% |
| 04.120.4558 | 45 | 58 | 6.5/7.5 | NBR | 80 | 80 | S + K | 17.35 | 15.00% | 25.00% |
| 04.120.4560 | 45 | 60 | 10/11.5 | NBR | 90 | 100 | S + K | 17.35 | 15.00% | 25.00% |
| 04.120.4563 | 45 | 63 | 10/11 | NBR | 90 | 100 | S + K | 18.25 | 15.00% | 25.00% |
| 04.120.4565 | 45 | 65 | 10/11.5 | NBR | 90 | 100 | S + K | 18.25 | 15.00% | 25.00% |
| 04.120.4863 | 48 | 63 | 10/11.5 | NBR | 90 | 100 | S + K | 18.25 | 15.00% | 25.00% |

*¹Breite= Di (ca. Breite der Dichtung) / Nut (empfohlene Nutbreite) je nach Bauform sollte die Nut 0.5-1.5 mm Breiter sein als die Dichtung.

| Art.-Nr. | Abmessung/mm | | * ¹ Breite Di / Nut | Material Qualität | Härte ca. °Shore | Druck max/Bar | Typ | Preis/Stk. | | |
|-------------|--------------|---------|-----------------------------------|----------------------|---------------------|------------------|-------|------------|--------|--------|
| | Øinnen | Øaussen | | | | | | < 5 | ≥ 5 | ≥ 10 |
| 04.120.5062 | 50 | 62 | 6/7 | NBR | 90 | 100 | S + K | 18.25 | 15.00% | 25.00% |
| 04.120.5065 | 50 | 65 | 10/11.5 | NBR | 90 | 100 | S + K | 18.25 | 15.00% | 25.00% |
| 04.120.5070 | 50 | 70 | 10/11.5 | NBR | 90 | 100 | S + K | 19.10 | 15.00% | 25.00% |
| 04.120.5073 | 50.8 | 73.03 | 9.52/11 | NBR | 90 | 100 | S + K | 19.10 | 15.00% | 25.00% |
| 04.120.5575 | 55 | 75 | 10/11.5 | NBR | 90 | 100 | S + K | 20.15 | 15.00% | 25.00% |
| 04.120.5580 | 55 | 80 | 15/16.5 | NBR | 90 | 100 | S + K | 20.15 | 15.00% | 25.00% |
| 04.120.5776 | 57.15 | 76.2 | 9.52/11 | NBR | 90 | 100 | S + K | 20.15 | 15.00% | 25.00% |
| 04.120.6068 | 60 | 68 | 8/9 | NBR | 90 | 100 | S + K | 21.00 | 15.00% | 25.00% |
| 04.120.6080 | 60 | 80 | 10/11.5 | NBR | 90 | 100 | S + K | 21.00 | 15.00% | 25.00% |
| 04.120.6085 | 60 | 85 | 12/13 | NBR | 90 | 100 | S + K | 30.00 | 15.00% | 25.00% |
| 04.120.6580 | 65 | 80 | 7.5/8.5 | NBR | 90 | 100 | S + K | 21.85 | 15.00% | 25.00% |
| 04.120.7090 | 70 | 90 | 10/11.5 | NBR | 90 | 100 | S + K | 21.85 | 15.00% | 25.00% |
| 04.120.7595 | 75 | 95 | 10/11 | NBR | 90 | 100 | S + K | 21.85 | 15.00% | 25.00% |
| 04.120.8010 | 80 | 100 | 10/11 | NBR | 90 | 100 | S + K | 25.90 | 15.00% | 25.00% |
| 04.120.8510 | 85 | 100 | 7.5/8.5 | NBR | 90 | 100 | S + K | 24.75 | 15.00% | 25.00% |
| 04.120.8511 | 85 | 105 | 12/13 | NBR | 90 | 100 | S + K | 24.75 | 15.00% | 25.00% |
| 04.120.9011 | 90 | 110 | 15/16 | NBR | 90 | 100 | S + K | 26.20 | 15.00% | 25.00% |

Stangen- & Kolbendichtungen PUR Polyurethan Symetrisch [^]

| Art.-Nr. | Abmessung/mm | | * ¹ Breite Di / Nut | Material Qualität | Härte ca. °Shore | Druck max/Bar | * ² Typ | Preis/Stk. | | |
|-------------|--------------|---------|-----------------------------------|----------------------|---------------------|------------------|--------------------|------------|--------|--------|
| | Øinnen | Øaussen | | | | | | < 5 | ≥ 5 | ≥ 10 |
| 04.121.0512 | 5 | 12 | 5/6 | PUR | 92 | 300 | s+K | 11.75 | 15.00% | 25.00% |
| 04.121.0612 | 6 | 12 | 4/5 | PUR | 92 | 300 | s+K | 11.75 | 15.00% | 25.00% |
| 04.121.0815 | 8 | 15 | 5.7/6.7 | PUR | 90 | 500 | s+K | 12.30 | 15.00% | 25.00% |
| 04.121.0816 | 8 | 16 | 6/7 | PUR | 90 | 500 | s+K | 12.30 | 15.00% | 25.00% |
| 04.121.1016 | 10 | 16 | 6/7 | PUR | 90 | 500 | s+K | 12.30 | 15.00% | 25.00% |
| 04.121.1019 | 10 | 18 | 6/7 | PUR | 90 | 500 | s+K | 12.30 | 15.00% | 25.00% |
| 04.121.1018 | 10 | 18 | 8/9 | PUR | 90 | 500 | s+K | 12.30 | 15.00% | 25.00% |
| 04.121.1020 | 10 | 20 | 8/9 | PUR | 94 | 400 | S+K | 12.30 | 15.00% | 25.00% |
| 04.121.1218 | 12 | 18 | 6/7 | PUR | 94 | 400 | s+K | 12.30 | 15.00% | 25.00% |
| 04.121.1220 | 12 | 20 | 4.4/5 | PUR | 90 | 400 | S+K | 13.50 | 15.00% | 25.00% |
| 04.121.1221 | 12 | 20 | 5.7/6.5 | PUR | 90 | 400 | S+k | 13.50 | 15.00% | 25.00% |
| 04.121.1222 | 12 | 22 | 5/6 | PUR | 92 | 400 | s+K | 12.90 | 15.00% | 25.00% |
| 04.121.1224 | 12 | 24 | 9/10 | PUR | 92 | 400 | s+K | 12.90 | 15.00% | 25.00% |
| 04.121.1325 | 13 | 25 | 9/10 | PUR | 92 | 400 | S+K | 13.50 | 15.00% | 25.00% |
| 04.121.1422 | 14 | 22 | 6/7 | PUR | 94 | 200 | S+K | 13.50 | 15.00% | 25.00% |
| 04.121.1525 | 15 | 25 | 8/9 | PUR | 92 | 300 | S+K | 13.50 | 15.00% | 25.00% |
| 04.121.1526 | 15 | 25 | 10/11 | PUR | 90 | 100 | S+K | 13.50 | 15.00% | 25.00% |
| 04.121.1622 | 16 | 22 | 4/4.7 | PUR | 92 | 400 | s+K | 13.50 | 15.00% | 25.00% |
| 04.121.1626 | 16 | 26 | 5/6 | PUR | 90 | 400 | s+K | 13.50 | 15.00% | 25.00% |
| 04.121.1627 | 16 | 26 | 8/9 | PUR | 90 | 400 | S+K | 13.50 | 15.00% | 25.00% |
| 04.121.1628 | 16 | 28 | 6/7 | PUR | 94 | 200 | S+K | 13.50 | 15.00% | 25.00% |
| 04.121.1830 | 18 | 30 | 8/9 | PUR | 94 | 200 | S+K | 13.50 | 15.00% | 25.00% |

*¹Breite= Di (ca. Breite der Dichtung) / Nut (empfohlene Nutbreite) je nach Bauform sollte die Nut 0.5-1.5 mm Breiter sein als die Dichtung.

*² S+K = Für Stangen und Kolben gleich gut geeignet, S+k = etwas besser für Stangen geeignet, s+K = etwas besser für Kolben geeignet.

| Art.-Nr. | Abmessung/mm | | * ¹ Breite Di / Nut | Material Qualität | Härte ca. °Shore | Druck max/Bar | * ² Typ | Preis/Stk. | | |
|-------------|--------------|---------|-----------------------------------|----------------------|---------------------|------------------|--------------------|------------|--------|--------|
| | Øinnen | Øaussen | | | | | | < 5 | ≥ 5 | ≥ 10 |
| 04.121.2028 | 20 | 28 | 4.5/5.5 | PUR | 90 | 500 | s+K | 13.50 | 15.00% | 25.00% |
| 04.121.2027 | 20 | 28 | 6.5/7.5 | PUR | 90 | 400 | S+K | 13.50 | 15.00% | 25.00% |
| 04.121.2029 | 20 | 30 | 6/7 | PUR | 92 | 500 | S+K | 14.20 | 15.00% | 25.00% |
| 04.121.2030 | 20 | 30 | 8/9 | PUR | 92 | 300 | S+K | 14.20 | 15.00% | 25.00% |
| 04.121.2031 | 20 | 30 | 8/9 | PUR | 92 | 300 | S+K | 14.20 | 15.00% | 25.00% |
| 04.121.2032 | 20 | 32 | 7.5/8.5 | PUR | 90 | 500 | s+K | 14.20 | 15.00% | 25.00% |
| 04.121.2040 | 20 | 40 | 10/11 | PUR | 92 | 300 | S+K | 15.65 | 15.00% | 25.00% |
| 04.121.2230 | 22 | 30 | 4/5 | PUR | 90 | 400 | S+K | 15.65 | 15.00% | 25.00% |
| 04.121.2232 | 22 | 32 | 8/9 | PUR | 90 | 500 | s+K | 15.65 | 15.00% | 25.00% |
| 04.121.2235 | 22 | 35 | 10/11 | PUR | 90 | 500 | s+K | 15.65 | 15.00% | 25.00% |
| 04.121.2436 | 24 | 36 | 6/7 | PUR | 95 | 400 | S+K | 15.65 | 15.00% | 25.00% |
| 04.121.2533 | 25 | 33 | 6.5/7.5 | PUR | 90 | 400 | S+K | 15.65 | 15.00% | 25.00% |
| 04.121.2535 | 25 | 35 | 6/7.5 | PUR | 90 | 300 | S+K | 15.65 | 15.00% | 25.00% |
| 04.121.2538 | 25 | 38 | 10/11 | PUR | 90 | 300 | s+K | 15.65 | 15.00% | 25.00% |
| 04.121.2540 | 25 | 40 | 10/11 | PUR | 90 | 300 | S+K | 15.65 | 15.00% | 25.00% |
| 04.121.2545 | 25 | 45 | 10/11 | PUR | 94 | 200 | S+K | 15.65 | 15.00% | 25.00% |
| 04.121.2836 | 28 | 36 | 5/6 | PUR | 95 | 400 | S+K | 15.65 | 15.00% | 25.00% |
| 04.121.2838 | 28 | 38 | 8/9 | PUR | 90 | 500 | S+K | 15.65 | 15.00% | 25.00% |
| 04.121.2840 | 28 | 40 | 10/11 | PUR | 94 | 200 | S+K | 16.35 | 15.00% | 25.00% |
| 04.121.3038 | 30 | 38 | 6/7 | PUR | 90 | 500 | s+K | 16.35 | 15.00% | 25.00% |
| 04.121.3039 | 30 | 38 | 8/9 | PUR | 95 | 400 | S+k | 16.35 | 15.00% | 25.00% |
| 04.121.3041 | 30 | 40 | 6/7 | PUR | 95 | 400 | S+K | 16.35 | 15.00% | 25.00% |
| 04.121.3040 | 30 | 40 | 6.5/7.5 | PUR | 90 | 300 | S+k | 16.35 | 15.00% | 25.00% |
| 04.121.3010 | 30 | 40 | 10/11 | PUR | 90 | 400 | S+K | 16.35 | 15.00% | 25.00% |
| 04.121.3043 | 30 | 40 | 10/11 | PUR | 90 | 400 | s+K | 16.35 | 15.00% | 25.00% |
| 04.121.3042 | 30 | 42 | 10/11 | PUR | 92 | 400 | S+K | 16.35 | 15.00% | 25.00% |
| 04.121.3046 | 30 | 45 | 9/10 | PUR | 92 | 400 | S+K | 17.20 | 15.00% | 25.00% |
| 04.121.3045 | 30 | 45 | 10/11 | PUR | 92 | 400 | S+K | 17.20 | 15.00% | 25.00% |
| 04.121.3050 | 30 | 50 | 10/11 | PUR | 90 | 400 | s+K | 17.20 | 15.00% | 25.00% |
| 04.121.3241 | 32 | 40 | 6/7 | PUR | 90 | 400 | S+K | 17.20 | 15.00% | 25.00% |
| 04.121.3240 | 32 | 40 | 8/9 | PUR | 90 | 500 | s+K | 17.20 | 15.00% | 25.00% |
| 04.121.3242 | 32 | 42 | 10/11 | PUR | 90 | 500 | s+K | 17.20 | 15.00% | 25.00% |
| 04.121.3245 | 32 | 45 | 10/11 | PUR | 90 | 500 | S+K | 18.90 | 15.00% | 25.00% |
| 04.121.3445 | 34 | 45 | 7/8 | PUR | 92 | 300 | S+K | 18.90 | 15.00% | 25.00% |
| 04.121.3543 | 35 | 43 | 8/9 | PUR | 92 | 400 | S+K | 18.90 | 15.00% | 25.00% |
| 04.121.3544 | 35 | 45 | 7/8 | PUR | 92 | 400 | S+k | 18.90 | 15.00% | 25.00% |
| 04.121.3545 | 35 | 45 | 10/11 | PUR | 92 | 400 | S+K | 18.90 | 15.00% | 25.00% |
| 04.121.3550 | 35 | 50 | 10/11 | PUR | 92 | 300 | S+k | 18.90 | 15.00% | 25.00% |
| 04.121.3555 | 35 | 55 | 12/13 | PUR | 90 | 500 | s+K | 18.90 | 15.00% | 25.00% |
| 04.121.3646 | 36 | 46 | 7/8 | PUR | 90 | 500 | s+K | 18.90 | 15.00% | 25.00% |
| 04.121.3850 | 38 | 50 | 9/10 | PUR | 90 | 500 | s+K | 20.00 | 15.00% | 25.00% |

*¹Breite= Di (ca. Breite der Dichtung) / Nut (empfohlene Nutbreite) je nach Bauform sollte die Nut 0.5-1.5 mm Breiter sein als die Dichtung.

*² S+K = Für Stangen und Kolben gleich gut geeignet, S+k = etwas besser für Stangen geeignet, s+K = etwas besser für Kolben geeignet.

| Art.-Nr. | Abmessung/mm | | * ¹ Breite Di / Nut | Material Qualität | Härte ca. °Shore | Druck max/Bar | * ² Typ | Preis/Stk. | | |
|-------------|--------------|---------|-----------------------------------|----------------------|---------------------|------------------|--------------------|------------|--------|--------|
| | Øinnen | Øaussen | | | | | | < 5 | ≥ 5 | ≥ 10 |
| 04.121.4048 | 40 | 48 | 5.8/6.5 | PUR | 90 | 500 | S+k | 20.00 | 15.00% | 25.00% |
| 04.121.4050 | 40 | 50 | 6/7 | PUR | 90 | 400 | S+K | 18.90 | 15.00% | 25.00% |
| 04.121.4051 | 40 | 50 | 8/9 | PUR | 90 | 400 | S+K | 18.90 | 15.00% | 25.00% |
| 04.121.4052 | 40 | 50 | 10/11 | PUR | 90 | 400 | S+K | 18.90 | 15.00% | 25.00% |
| 04.121.4061 | 40 | 60 | 10/11 | PUR | 94 | 200 | S+K | 20.00 | 15.00% | 25.00% |
| 04.121.4060 | 40 | 60 | 12/13 | PUR | 90 | 400 | S+K | 20.00 | 15.00% | 25.00% |
| 04.121.4250 | 42 | 50 | 8/9 | PUR | 90 | 400 | S+K | 20.00 | 15.00% | 25.00% |
| 04.121.4555 | 45 | 55 | 7/8 | PUR | 90 | 500 | s+K | 20.00 | 15.00% | 25.00% |
| 04.121.4556 | 45 | 55 | 10/11 | PUR | 90 | 500 | s+K | 20.00 | 15.00% | 25.00% |
| 04.121.4560 | 45 | 60 | 10/11 | PUR | 92 | 300 | s+K | 20.00 | 15.00% | 25.00% |
| 04.121.4565 | 45 | 65 | 10/11 | PUR | 92 | 300 | S+K | 21.85 | 15.00% | 25.00% |
| 04.121.4860 | 48 | 60 | 9/10 | PUR | 94 | 200 | S+K | 21.85 | 15.00% | 25.00% |
| 04.121.5060 | 50 | 60 | 10/11 | PUR | 92 | 400 | s+K | 21.85 | 15.00% | 25.00% |
| 04.121.5062 | 50 | 62 | 9/10 | PUR | 92 | 300 | S+K | 21.85 | 15.00% | 25.00% |
| 04.121.5070 | 50 | 70 | 12/13 | PUR | 92 | 400 | S+K | 22.90 | 15.00% | 25.00% |
| 04.121.5075 | 50 | 75 | 12.5/13.5 | PUR | 90 | 400 | S+K | 36.55 | 15.00% | 25.00% |
| 04.121.5363 | 53 | 63 | 6.5/7.5 | PUR | 90 | 500 | s+K | 22.90 | 15.00% | 25.00% |
| 04.121.5565 | 55 | 65 | 12/13 | PUR | 92 | 400 | S+K | 22.90 | 15.00% | 25.00% |
| 04.121.5570 | 55 | 70 | 12/13 | PUR | 92 | 400 | S+K | 22.90 | 15.00% | 25.00% |
| 04.121.5575 | 55 | 75 | 12/13 | PUR | 90 | 500 | s+K | 22.90 | 15.00% | 25.00% |
| 04.121.6070 | 60 | 70 | 12/13 | PUR | 94 | 400 | s+K | 22.90 | 15.00% | 25.00% |
| 04.121.6072 | 60 | 72 | 10/11 | PUR | 92 | 400 | S+K | 39.10 | 15.00% | 25.00% |
| 04.121.6075 | 60 | 75 | 12/13 | PUR | 92 | 400 | S+K | 24.15 | 15.00% | 25.00% |
| 04.121.6080 | 60 | 80 | 10/11 | PUR | 94 | 400 | s+K | 25.20 | 15.00% | 25.00% |
| 04.121.6081 | 60 | 80 | 12/13 | PUR | 94 | 400 | s+K | 25.20 | 15.00% | 25.00% |
| 04.121.6586 | 65 | 85 | 10/11 | PUR | 90 | 300 | s+K | 26.60 | 15.00% | 25.00% |
| 04.121.6585 | 65 | 85 | 12/13 | PUR | 90 | 300 | S+K | 26.60 | 15.00% | 25.00% |
| 04.121.7080 | 70 | 80 | 10/11 | PUR | 94 | 400 | s+K | 26.60 | 15.00% | 25.00% |
| 04.121.7095 | 70 | 95 | 12/13 | PUR | 95 | 500 | s+K | 27.70 | 15.00% | 25.00% |
| 04.121.7590 | 75 | 90 | 7.5/8.5 | PUR | 94 | 200 | S+K | 27.70 | 15.00% | 25.00% |
| 04.121.8090 | 80 | 90 | 12/13 | PUR | 95 | 500 | s+K | 27.70 | 15.00% | 25.00% |
| 04.121.8011 | 80 | 100 | 10/11 | PUR | 90 | 500 | s+K | 29.65 | 15.00% | 25.00% |
| 04.121.8010 | 80 | 100 | 12/13 | PUR | 95 | 400 | S+K | 29.65 | 15.00% | 25.00% |
| 04.121.8510 | 85 | 100 | 11/12 | PUR | 95 | 400 | S+K | 30.00 | 15.00% | 25.00% |
| 04.121.9010 | 90 | 105 | 12/13 | PUR | 90 | 500 | s+K | 30.25 | 15.00% | 25.00% |
| 04.121.1112 | 110 | 125 | 15/16 | PUR | 94 | 200 | S+K | 36.55 | 15.00% | 25.00% |
| 04.121.1113 | 110 | 130 | 12/13 | PUR | 95 | 400 | S+K | 38.55 | 15.00% | 25.00% |
| 04.121.1214 | 120 | 140 | 15/16 | PUR | 94 | 200 | S+K | 42.10 | 15.00% | 25.00% |

*¹Breite= Di (ca. Breite der Dichtung) / Nut (empfohlene Nutbreite) je nach Bauform sollte die Nut 0.5-1.5 mm Breiter sein als die Dichtung.

*² S+K = Für Stangen und Kolben gleich gut geeignet, S+k = etwas besser für Stangen geeignet, s+K = etwas besser für Kolben geeignet.

Stangendichtungen NBR (Nitril)

Nitril



Nutring mit asymmetrischem Profil der Dichtlippen (Innendichtend)



Stangendichtungen aus NBR

| Art.-Nr. | Abmessung/mm | | * ¹ Breite Di / Nut | Material Qualität | Härte ca. °Shore | Druck max/Bar | Typ | Preis/Stk. | | |
|-------------|--------------|---------|-----------------------------------|----------------------|---------------------|------------------|-----|------------|--------|--------|
| | Øinnen | Øaussen | | | | | | < 5 | ≥ 5 | ≥ 10 |
| 04.110.0411 | 4.76 | 11.11 | 3.96/5.6 | NBR | 90 | 100 | S | 11.85 | 15.00% | 25.00% |
| 04.110.0815 | 8 | 15 | 2,3/2,5 | NBR | 90 | 100 | S | 12.30 | 15.00% | 25.00% |
| 04.110.0816 | 8 | 16 | 5.5/6 | NBR | 90 | 100 | S | 12.30 | 15.00% | 25.00% |
| 04.110.1015 | 10 | 15 | 3.5/5 | NBR | 70 | 160 | S | 12.30 | 15.00% | 25.00% |
| 04.110.1016 | 10 | 16 | 4.5/5.5 | NBR | 80 | 80 | S | 12.30 | 15.00% | 25.00% |
| 04.110.1018 | 10 | 18 | 5.5/6 | NBR | 80 | 100 | S | 12.30 | 15.00% | 25.00% |
| 04.110.1119 | 11.11 | 19.05 | 3.96/5.6 | NBR | 90 | 100 | S | 12.60 | 15.00% | 25.00% |
| 04.110.1219 | 12 | 19 | 4.5/5.5 | NBR | 80 | 80 | S | a.A | 15.00% | 25.00% |
| 04.110.1220 | 12 | 20 | 5.5/6 | NBR | 80 | 100 | S | 12.60 | 15.00% | 25.00% |
| 04.110.1221 | 12.7 | 21 | 5.1/7.1 | NBR | 90 | 100 | S | 12.60 | 15.00% | 25.00% |
| 04.110.1422 | 14 | 22 | 5.5/6.5 | NBR | 80 | 80 | S | 12.80 | 15.00% | 25.00% |
| 04.110.1522 | 15 | 22 | 5/6 | NBR | 70 | 160 | S | 12.80 | 15.00% | 25.00% |
| 04.110.1622 | 15.87 | 22.22 | 4.76/5.5 | NBR | 80 | 80 | S | 12.80 | 15.00% | 25.00% |
| 04.110.1624 | 16 | 24 | 5.5/6.5 | NBR | 80 | 80 | S | 13.90 | 15.00% | 25.00% |
| 04.110.1723 | 17.46 | 23.81 | 4.6/6.4 | NBR | 90 | 100 | S | 12.80 | 15.00% | 25.00% |
| 04.110.1825 | 18 | 25 | 5.5/6.5 | NBR | 80 | 100 | S | 15.10 | 15.00% | 25.00% |
| 04.110.2029 | 20 | 28 | 5.5/6.5 | NBR | 80 | 80 | S | 13.90 | 15.00% | 25.00% |
| 04.110.2028 | 20.63 | 28.58 | 4.76/6.4 | NBR | 90 | 100 | S | 13.35 | 15.00% | 25.00% |
| 04.110.2230 | 22 | 30 | 5.5/6.5 | NBR | 70 | 160 | S | 13.90 | 15.00% | 25.00% |
| 04.110.2432 | 24 | 32 | 5.5/6.5 | NBR | 70 | 160 | S | 13.90 | 15.00% | 25.00% |
| 04.110.2532 | 25 | 32 | 6/6.5 | NBR | 80 | 80 | S | 21.15 | 15.00% | 25.00% |
| 04.110.2535 | 25 | 35 | 7/8 | NBR | 80 | 80 | S | 15.10 | 15.00% | 25.00% |
| 04.110.2542 | 25 | 42 | 8/9 | NBR | 80 | 100 | S | 15.10 | 15.00% | 25.00% |
| 04.110.2538 | 25.4 | 38.1 | 6.35/7.3 | NBR | 80 | 100 | S | 15.10 | 15.00% | 25.00% |
| 04.110.2836 | 28 | 36 | 5.5/6.5 | NBR | 70 | 160 | S | 15.10 | 15.00% | 25.00% |
| 04.110.2838 | 28 | 38 | 7/7.5 | NBR | 80 | 100 | S | 15.10 | 15.00% | 25.00% |
| 04.110.3242 | 32 | 42 | 7/8 | NBR | 80 | 80 | S | 15.70 | 15.00% | 25.00% |
| 04.110.3450 | 34.93 | 50.8 | 7.93/9.5 | NBR | 90 | 100 | S | 16.40 | 15.00% | 25.00% |
| 04.110.3545 | 35 | 45 | 7/7.5 | NBR | 80 | 100 | S | 16.40 | 15.00% | 25.00% |
| 04.110.3647 | 36 | 46 | 7/7.5 | NBR | 80 | 100 | S | 16.40 | 15.00% | 25.00% |
| 04.110.3646 | 36 | 46 | 7/8 | NBR | 80 | 80 | S | 16.40 | 15.00% | 25.00% |
| 04.110.4048 | 40 | 48 | 5.5/6.5 | NBR | 70 | 160 | S | 16.40 | 15.00% | 25.00% |
| 04.110.5060 | 50 | 60 | 7/8 | NBR | 80 | 80 | S | 19.45 | 15.00% | 25.00% |
| 04.110.5369 | 53.98 | 69.85 | 9.52/10.5 | NBR | 90 | 100 | S | 21.15 | 15.00% | 25.00% |
| 04.110.6072 | 60 | 72 | 8.5/9.5 | NBR | 80 | 160 | S | 20.85 | 15.00% | 25.00% |
| 04.110.1011 | 101.6 | 111.1 | 5.75/7.1 | NBR | 90 | 100 | S | 27.50 | 15.00% | 25.00% |

*¹Breite= Di (ca. Breite der Dichtung) / Nut (empfohlene Nutbreite) je nach Bauform sollte die Nut 0.5-1.5 mm Breiter sein als die Dichtung.

Stangendichtungen NBR/Textil

Nitril mit Gewebeeinlage



Typ B/P



Nitrilstangendichtungen mit Gewebeeinlage.

Druckbeständig bis 250 bar. Härte ca. 80-90 °Shore.

| Art.-Nr. | Abmessung/mm | | Breite/mm | | Druck max/Bar | Typ | Preis/Stk. | | |
|-------------|--------------|---------|-----------|-------------|------------------|-----|------------|--------|--------|
| | Øinnen | Øaussen | Dichtung | Nut (empf.) | | | < 5 | ≥ 5 | ≥ 10 |
| 04.109.1219 | 12.7 | 19.05 | 4.8 | 5 | 250 | B | 11.05 | 15.00% | 25.00% |
| 04.109.1222 | 12.7 | 22.22 | 7 | 7.5 | 250 | P | 12.55 | 15.00% | 25.00% |
| 04.109.1225 | 12.7 | 25.4 | 9 | 9.53 | 250 | P | 19.20 | 15.00% | 25.00% |
| 04.109.1522 | 15.88 | 22.22 | 4.6 | 4.76 | 250 | P | 15.55 | 15.00% | 25.00% |
| 04.109.1525 | 15.88 | 25.4 | 7 | 7.14 | 250 | B | 12.40 | 15.00% | 25.00% |
| 04.109.1624 | 16 | 24 | 6 | 6.5 | 250 | B | 17.35 | 15.00% | 25.00% |
| 04.109.1826 | 18 | 26 | 5.7 | 6.3 | 250 | B | 14.85 | 15.00% | 25.00% |
| 04.109.1828 | 18 | 28 | 5.8 | 6.3 | 250 | B | 11.95 | 15.00% | 25.00% |
| 04.109.1925 | 19.05 | 25.4 | 4.5 | 4.76 | 250 | P | 18.75 | 15.00% | 25.00% |
| 04.109.1931 | 19.05 | 31.75 | 8 | 8.5 | 250 | B | 27.60 | 15.00% | 25.00% |
| 04.109.2027 | 20 | 27 | 6 | 6.5 | 250 | B | 23.35 | 15.00% | 25.00% |
| 04.109.2028 | 20 | 28 | 5.8 | 6.4 | 250 | B | 16.60 | 15.00% | 25.00% |
| 04.109.2026 | 20 | 26 | 5 | 5.5 | 250 | CP | 16.60 | 15.00% | 25.00% |
| 04.109.2230 | 22 | 30 | 5.8 | 6.4 | 250 | B | 20.65 | 15.00% | 25.00% |
| 04.109.2231 | 22.22 | 31.75 | 9.2 | 9.53 | 250 | B | 16.60 | 15.00% | 25.00% |
| 04.109.2533 | 25 | 33 | 6 | 6.6 | 250 | B | 16.15 | 15.00% | 25.00% |
| 04.109.2535 | 25 | 35 | 8.5 | 9 | 250 | B | 17.35 | 15.00% | 25.00% |
| 04.109.2538 | 25.4 | 38.1 | 6 | 6.35 | 250 | P | 20.65 | 15.00% | 25.00% |
| 04.109.3040 | 30 | 40 | 7 | 7.5 | 250 | B | 22.15 | 15.00% | 25.00% |
| 04.109.3141 | 31.75 | 41.28 | 6 | 6.35 | 250 | P | 18.85 | 15.00% | 25.00% |
| 04.109.3144 | 31.75 | 44.45 | 6.7 | 7.14 | 250 | P | 19.45 | 15.00% | 25.00% |
| 04.109.3240 | 32 | 40 | 5.8 | 6.4 | 250 | B | 17.35 | 15.00% | 25.00% |
| 04.109.3444 | 34.93 | 44.45 | 6.8 | 7.14 | 250 | P | 17.35 | 15.00% | 25.00% |
| 04.109.3545 | 35 | 45 | 7.5 | 8 | 250 | B | 20.65 | 15.00% | 25.00% |
| 04.109.3850 | 38.1 | 50.8 | 6 | 6.35 | 250 | B | 19.15 | 15.00% | 25.00% |
| 04.109.4048 | 40 | 48 | 6 | 6.4 | 250 | B | 21.85 | 15.00% | 25.00% |
| 04.109.4050 | 40 | 50 | 7.5 | 8 | 250 | B | 25.15 | 15.00% | 25.00% |
| 04.109.4460 | 44.45 | 60.33 | 10.5 | 11.11 | 250 | B | 26.75 | 15.00% | 25.00% |
| 04.109.4555 | 45 | 55 | 7.5 | 8 | 250 | B | 23.35 | 15.00% | 25.00% |
| 04.109.4560 | 45 | 60 | 11 | 12 | 250 | B | 25.40 | 15.00% | 25.00% |
| 04.109.4563 | 45 | 63 | 10.5 | 11 | 250 | B | 21.20 | 15.00% | 25.00% |
| 04.109.4860 | 48 | 60 | 6.5 | 7 | 250 | B | 23.00 | 15.00% | 25.00% |
| 04.109.5060 | 50 | 60 | 7.5 | 8 | 250 | B | 27.60 | 15.00% | 25.00% |
| 04.109.5160 | 50.8 | 60.35 | 10 | 11 | 250 | B | 28.75 | 15.00% | 25.00% |
| 04.109.5166 | 50.8 | 66.67 | 7.4 | 7.93 | 250 | P | 28.75 | 15.00% | 25.00% |
| 04.109.6070 | 60 | 70 | 7.5 | 8 | 250 | B | 29.90 | 15.00% | 25.00% |
| 04.109.6985 | 69.85 | 85.72 | 9 | 9.53 | 250 | P | 31.95 | 15.00% | 25.00% |
| 04.109.7090 | 70 | 90 | 10.5 | 10 | 250 | B | 32.45 | 15.00% | 25.00% |
| 04.109.8010 | 80 | 100 | 14 | 14.5 | 250 | B | 33.10 | 15.00% | 25.00% |
| 04.109.1012 | 100 | 120 | 13 | 14 | 250 | B | 33.95 | 15.00% | 25.00% |

*1Breite= Di (ca. Breite der Dichtung) / Nut (empfohlene Nutbreite) je nach Bauform sollte die Nut 0.5-1.5 mm Breiter sein als die Dichtung.

Stangendichtungen PUR (Polyurethan)



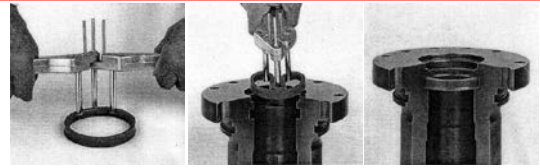
| Art.-Nr. | Abmessung/mm | | * ¹ Breite Di / Nut | Material Qualität | Härte ca. °Shore | Druck max/Bar | Typ | Preis/Stk. | | |
|-------------|--------------|---------|-----------------------------------|----------------------|---------------------|------------------|-----|------------|--------|--------|
| | Øinnen | Øaussen | | | | | | < 5 | ≥ 5 | ≥ 10 |
| 04.111.1018 | 10 | 18 | 5.5 | PUR | 94 | 400 | S | 18.05 | 15.00% | 25.00% |
| 04.111.1525 | 15 | 25 | 8/9 | PUR | 94 | 400 | S | 18.05 | 15.00% | 25.00% |
| 04.111.1624 | 16 | 24 | 5.7/6.7 | PUR | 95 | 400 | S | 18.05 | 15.00% | 25.00% |
| 04.111.1824 | 18 | 24 | 4.7/5.5 | PUR | 90 | 400 | S | 18.05 | 15.00% | 25.00% |
| 04.111.1827 | 18 | 26 | 5.7/6.3 | PUR | 90 | 500 | S | 18.05 | 15.00% | 25.00% |
| 04.111.1826 | 18 | 26 | 8/9 | PUR | 90 | 500 | S | 18.05 | 15.00% | 25.00% |
| 04.111.2025 | 20 | 25 | 3/1.3 | PUR | 90 | 500 | S | 18.30 | 15.00% | 25.00% |
| 04.111.2026 | 20 | 26 | 5/6 | PUR | 95 | 400 | S | 18.30 | 15.00% | 25.00% |
| 04.111.2028 | 20 | 28 | 5.5/6.3 | PUR | 95 | 400 | S | 18.30 | 15.00% | 25.00% |
| 04.111.2230 | 22 | 30 | 5.5/6.3 | PUR | 95 | 400 | S | 18.75 | 15.00% | 25.00% |
| 04.111.2535 | 25 | 35 | 7.3/8.5 | PUR | 90 | 400 | S | 20.20 | 15.00% | 25.00% |
| 04.111.3045 | 30 | 45 | 8/9 | PUR | 90 | 400 | S | 20.85 | 15.00% | 25.00% |
| 04.111.3240 | 32 | 40 | 6.7/8 | PUR | 90 | 400 | S | 20.85 | 15.00% | 25.00% |
| 04.111.3242 | 32 | 42 | 7.2/8.5 | PUR | 90 | 400 | S | 20.85 | 15.00% | 25.00% |
| 04.111.3243 | 32 | 42 | 8/9 | PUR | 90 | 400 | S | 20.85 | 15.00% | 25.00% |
| 04.111.3543 | 35 | 43 | 5.8/7 | PUR | 90 | 400 | S | 20.85 | 15.00% | 25.00% |
| 04.111.3646 | 36 | 46 | 7/8 | PUR | 94 | 400 | S | 21.75 | 15.00% | 25.00% |
| 04.111.3647 | 36 | 46 | 10/11 | PUR | 94 | 400 | S | 21.75 | 15.00% | 25.00% |
| 04.111.4048 | 40 | 48 | 6.5/7.5 | PUR | 90 | 400 | S | 23.45 | 15.00% | 25.00% |
| 04.111.4050 | 40 | 50 | 7/8 | PUR | 90 | 400 | S | 23.45 | 15.00% | 25.00% |
| 04.111.4051 | 40 | 50 | 10/11 | PUR | 90 | 400 | S | 23.45 | 15.00% | 25.00% |
| 04.111.4055 | 40 | 55 | 10/11 | PUR | 95 | 400 | S | 24.55 | 15.00% | 25.00% |
| 04.111.4553 | 45 | 53 | 8/9 | PUR | 95 | 400 | S | 24.55 | 15.00% | 25.00% |
| 04.111.4555 | 45 | 55 | 10/11 | PUR | 95 | 400 | S | 24.55 | 15.00% | 25.00% |
| 04.111.5058 | 50 | 58 | 8/9 | PUR | 90 | 400 | S | 25.35 | 15.00% | 25.00% |
| 04.111.5060 | 50 | 60 | 7/8 | PUR | 90 | 400 | S | 25.35 | 15.00% | 25.00% |
| 04.111.5061 | 50 | 60 | 10/11 | PUR | 95 | 400 | S | 25.35 | 15.00% | 25.00% |
| 04.111.5065 | 50 | 65 | 10/11 | PUR | 95 | 400 | S | 26.40 | 15.00% | 25.00% |
| 04.111.5563 | 55 | 63 | 8/9 | PUR | 90 | 400 | S | 26.40 | 15.00% | 25.00% |
| 04.111.5565 | 55 | 65 | 10/11 | PUR | 90 | 400 | S | 26.40 | 15.00% | 25.00% |
| 04.111.6068 | 60 | 68 | 8/9 | PUR | 90 | 400 | S | 28.70 | 15.00% | 25.00% |
| 04.111.6075 | 60 | 75 | 10/11 | PUR | 90 | 400 | S | 28.70 | 15.00% | 25.00% |
| 04.111.7590 | 75 | 90 | 10/11 | PUR | 95 | 400 | S | 32.25 | 15.00% | 25.00% |
| 04.111.8095 | 80 | 95 | 11.5/12.5 | PUR | 95 | 400 | S | 33.30 | 15.00% | 25.00% |
| 04.111.8510 | 85 | 100 | 11.5/12.5 | PUR | 95 | 400 | S | 34.20 | 15.00% | 25.00% |
| 04.111.9511 | 95 | 110 | 9/10 | PUR | 90 | 400 | S | 35.00 | 15.00% | 25.00% |

*¹Breite= Di (ca. Breite der Dichtung) / Nut (empfohlene Nutbreite) je nach Bauform sollte die Nut 0.5-1.5 mm Breiter sein als die Dichtung.

Montagewerkzeug für Stangendichtungen



Das Werkzeug eignet sich zur Montage von Dichtungen unterschiedlicher Grössen. Die grösseren Bolzen sind schraubbar und lassen sich somit auf das Format der Dichtungen einstellen.



Art.-Nr.

Preis/Stk.

04.164.0000

145.00

Kolbendichtungen NBR (Nitril)



Nutring mit asymmetrischem Profil der Dichtlippen (Aussendichtend)



Kolbendichtungen aus NBR

| Art.-Nr. | Abmessung/mm | | *1Breite Di / Nut | Material Qualität | Härte ca. °Shore | Druck max/Bar | Typ | Preis/Stk. | | |
|-------------|--------------|---------|----------------------|----------------------|---------------------|------------------|-----|------------|--------|--------|
| | Øinnen | Øaussen | | | | | | < 5 | ≥ 5 | ≥ 10 |
| 04.100.0411 | 4.76 | 11.11 | 3.96/5 | NBR | 80 | 80 | K | 9.80 | 15.00% | 25.00% |
| 04.102.0411 | 4.76 | 11.11 | 3.96/5 | Silikon | 60 | 70 | K | 9.80 | 15.00% | 25.00% |
| 04.100.0816 | 8 | 16 | 5.5/6.5 | NBR | 84 | 160 | K | 10.25 | 15.00% | 25.00% |
| 04.100.1220 | 12 | 20 | 5.5/6.5 | NBR | 84 | 160 | K | 10.75 | 15.00% | 25.00% |
| 04.100.1725 | 17 | 25 | 5.5/6.5 | NBR | 80 | 100 | K | 11.25 | 15.00% | 25.00% |
| 04.100.2028 | 20 | 28 | 3.3/4.5 | NBR | 80 | 80 | K | 11.85 | 15.00% | 25.00% |
| 04.100.2432 | 24 | 32 | 5.5/6.5 | NBR | 80 | 80 | K | 11.85 | 15.00% | 25.00% |
| 04.100.2739 | 26.99 | 39.69 | 6.5/8 | NBR | 75 | 70 | K | 17.35 | 15.00% | 25.00% |
| 04.100.3040 | 30 | 40 | 7/8 | NBR | 80 | 80 | K | 17.35 | 15.00% | 25.00% |
| 04.100.3038 | 30.16 | 38.10 | 6.35/7.3 | NBR | 75 | 70 | K | 13.05 | 15.00% | 25.00% |
| 04.100.3345 | 33 | 45 | 9/10 | NBR | 80 | 500 | K | 14.40 | 15.00% | 25.00% |
| 04.100.3545 | 35 | 45 | 7/8 | NBR | 84 | 160 | K | 14.30 | 15.00% | 25.00% |
| 04.100.3549 | 35.23 | 49.21 | 9.52/11.2 | NBR | 75 | 70 | K | 14.30 | 15.00% | 25.00% |
| 04.100.4051 | 40 | 50 | 7/7.5 | NBR | 80 | 100 | K | 15.75 | 15.00% | 25.00% |
| 04.100.4050 | 40 | 50 | 7/8 | NBR | 84 | 160 | K | 15.75 | 15.00% | 25.00% |
| 04.100.4150 | 41.28 | 50.8 | 7.14/8.8 | NBR | 75 | 70 | K | 15.75 | 15.00% | 25.00% |
| 04.100.4555 | 45 | 55 | 7/8 | NBR | 84 | 160 | K | 16.70 | 15.00% | 25.00% |
| 04.100.4760 | 47.63 | 60.33 | 6.35/7.3 | NBR | 75 | 70 | K | 17.35 | 15.00% | 25.00% |
| 04.100.4860 | 48 | 60 | 7.5/8.5 | NBR | 75 | 80 | K | 17.35 | 15.00% | 25.00% |
| 04.100.5060 | 50 | 60 | 7/7.5 | NBR | 80 | 100 | K | 17.35 | 15.00% | 25.00% |
| 04.100.5567 | 55 | 67 | 8.5/9.5 | NBR | 80 | 80 | K | 18.25 | 15.00% | 25.00% |
| 04.100.5870 | 58 | 70 | 8.5/9.5 | NBR | 80 | 80 | K | 19.10 | 15.00% | 25.00% |
| 04.100.5871 | 58 | 70 | 8.5/9.5 | NBR | 80 | 100 | K | 19.10 | 15.00% | 25.00% |
| 04.100.5876 | 58.04 | 76.20 | 8.5/10.40 | NBR | 75 | 70 | K | 20.15 | 15.00% | 25.00% |
| 04.100.6480 | 64 | 80 | 8/9 | NBR | 80 | 80 | K | 21.00 | 15.00% | 25.00% |
| 04.100.6880 | 68 | 80 | 8.5/9.5 | NBR | 80 | 100 | K | 21.00 | 15.00% | 25.00% |
| 04.100.7182 | 71.44 | 82.55 | 7.05/8.4 | NBR | 75 | 70 | K | 21.85 | 15.00% | 25.00% |
| 04.100.8410 | 84 | 100 | 8/9 | NBR | 80 | 80 | K | 24.75 | 15.00% | 25.00% |
| 04.100.8810 | 88 | 100 | 8.5/9.5 | NBR | 80 | 80 | K | 25.20 | 15.00% | 25.00% |
| 04.100.1011 | 104.77 | 117.5 | 9.52/10.5 | NBR | 75 | 70 | K | 27.05 | 15.00% | 25.00% |
| 04.100.1012 | 108 | 120.65 | 9.52/11.2 | NBR | 75 | 70 | K | 28.75 | 15.00% | 25.00% |
| 04.100.1112 | 110 | 125 | 10/11 | NBR | 80 | 80 | K | 30.50 | 15.00% | 25.00% |

Kolbendichtungen aus PUR

| Art.-Nr. | Abmessung/mm | | * ¹ Breite Di / Nut | Material Qualität | Härte ca. °Shore | Druck max/Bar | Typ | Preis/Stk. | | |
|-------------|--------------|---------|-----------------------------------|----------------------|---------------------|------------------|-----|------------|--------|--------|
| | Øinnen | Øaussen | | | | | | < 5 | ≥ 5 | ≥ 10 |
| 04.101.1420 | 14 | 20 | 5.5/6.5 | PUR | 90 | 400 | K | 12.90 | 15.00% | 25.00% |
| 04.101.2540 | 25 | 40 | 10/11 | PUR | 90 | 400 | K | 16.35 | 15.00% | 25.00% |
| 04.101.3045 | 30 | 45 | 10/11 | PUR | 90 | 400 | K | 17.20 | 15.00% | 25.00% |
| 04.101.4250 | 42 | 50 | 10/11 | PUR | 90 | 400 | K | 18.90 | 15.00% | 25.00% |
| 04.101.5062 | 50 | 60 | 7.3/8.5 | PUR | 90 | 400 | K | 20.80 | 15.00% | 25.00% |
| 04.101.6580 | 65 | 80 | 12/13 | PUR | 90 | 400 | K | 25.20 | 15.00% | 25.00% |

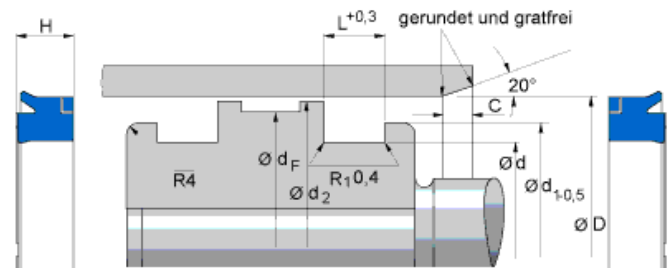
*¹Breite= Di (ca. Breite der Dichtung) / Nut (empfohlene Nutbreite) je nach Bauform sollte die Nut 0.5-1.5 mm Breiter sein als die Dichtung.

Kolbendichtungen mit Stützring PUR/POM

Nutringe T18



Einfachwirkende Kolbendichtung auch für genormte Einbauräume nach ISO 5597
 Sehr gute statische und -dynamische Dichtigkeit
 Hohe Extrusionsfestigkeit (Backring), „back-to-back“-Anordnung bei beidseitig druckbeaufschlagten Kolben
 Hohe Funktionssicherheit
 Entlastungsnuten gegen dynamischen Schleppdruck
 Werkstoff: Profilring Polyurethan, Backring Polyacetal

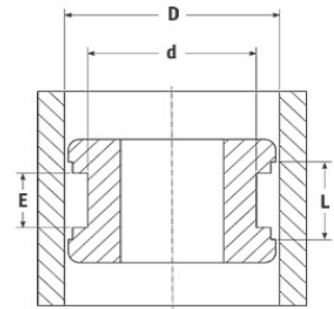


| Art.-Nr. | Abmessung/mm | | * ¹ Breite Di / Nut | Härte ca. °Shore | Druck max/Bar | Typ | Preis/Stk. |
|-------------|--------------|---------|-----------------------------------|---------------------|------------------|-----|------------|
| | Øinnen | Øaussen | | | | | |
| 04.122.5575 | 55 | 75 | 12.2/12.5 | 95 | 400 | K | a. Anfrage |
| 04.122.7090 | 70 | 90 | 12.2/12.5 | 95 | 400 | K | a. Anfrage |
| 04.122.9011 | 90 | 110 | 12.2/12.5 | 95 | 400 | K | a. Anfrage |
| 04.122.1114 | 115 | 140 | 15.2/16.2 | 95 | 400 | K | a. Anfrage |
| 04.122.1720 | 170 | 200 | 18.6/19.8 | 95 | 400 | K | a. Anfrage |

*¹Breite= Di (ca. Breite der Dichtung) / Nut (empfohlene Nutbreite) je nach Bauform sollte die Nut 0.5-1.5 mm Breiter sein als die Dichtung.

Compact-Kolbendichtungen Für einteilige Kolben ^

Werkstoff Dichtelement: NBR 70.447-02
Härte Dichtelement: 70 ±3 Shore A
Werkstoff Stützring: TPE 63.447-01
Werkstoff Winkelbuchse: POM 118.447-01
Einsatztemperatur: -30 bis +100 °C
Druck max. Typ A = 40MPa (400 bar)
 Typ B = 30 Mpa (300 bar)
Gleitgeschwindigkeit: max. 0,5 m/s
Medienbeständigkeit: Für den Einsatz in mineralischen Hydraulikölen
Produktbeschreibung: Fünfteilige kompakte Kolbendichtung bestehend aus einem Profiling, zwei Backringen und zwei Winkelbuchsen
Verwendungszweck: Abdichtung von doppeltwirkenden Kolben in der Hydraulik



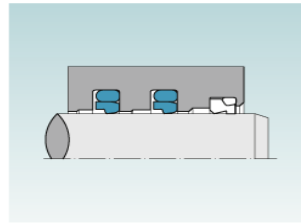
| Art.-Nr. | Abmessung/mm | | Nutbreite/mm | | Teile | Druck max. max/Bar | Für Kolben | Preis/Stk. |
|-------------|--------------|-----|--------------|-------|-------|-----------------------|------------|------------|
| | Ø d | Ø D | E | L | | | | |
| 04.158.1525 | 15 | 25 | 16.40 | 29.10 | 5 | 300 | einteilig | 25.30 |
| 04.158.1730 | 17 | 30 | 15.40 | 28.10 | 5 | 300 | einteilig | 27.60 |
| 04.158.2232 | 22 | 32 | 16.40 | 29.10 | 5 | 300 | einteilig | 25.30 |
| 04.158.2535 | 25 | 35 | 16.40 | 29.10 | 5 | 300 | einteilig | 26.45 |
| 04.158.2440 | 24 | 40 | 18.40 | 31.10 | 5 | 400 | einteilig | 32.20 |
| 04.158.3040 | 30 | 40 | 16.40 | 29.10 | 5 | 300 | einteilig | 37.95 |
| 04.158.2945 | 29 | 45 | 18.40 | 31.10 | 5 | 300 | einteilig | 43.70 |
| 04.158.3545 | 35 | 45 | 16.40 | 29.10 | 5 | 300 | einteilig | 32.20 |
| 04.158.3450 | 34 | 50 | 18.40 | 31.20 | 5 | 400 | einteilig | 37.95 |
| 04.159.3450 | 34 | 50 | 20.50 | 26.00 | 5 | 300 | einteilig | 37.95 |
| 04.158.3550 | 35 | 50 | 20.00 | 30.00 | 5 | 300 | einteilig | 37.95 |
| 04.158.3850 | 38 | 50 | 20.50 | 28.90 | 5 | 300 | einteilig | 40.25 |
| 04.158.3955 | 39 | 55 | 18.40 | 31.00 | 5 | 300 | einteilig | 42.55 |
| 04.159.4460 | 44 | 60 | 18.50 | 31.20 | 5 | 300 | zweiteilig | 44.85 |
| 04.158.4460 | 44 | 60 | 20.50 | 26.00 | 5 | 400 | einteilig | 44.85 |
| 04.158.4560 | 45 | 60 | 22.10 | 34.80 | 5 | 300 | einteilig | 44.85 |
| 04.158.4860 | 48 | 60 | 20.50 | 28.90 | 5 | 300 | einteilig | 44.85 |
| 04.158.4763 | 47 | 63 | 18.40 | 31.10 | 5 | 400 | einteilig | 48.30 |
| 04.158.5163 | 51 | 63 | 20.50 | 28.90 | 5 | 300 | einteilig | 48.30 |
| 04.158.5065 | 50 | 65 | 18.40 | 31.10 | 5 | 300 | einteilig | 43.70 |
| 04.158.5070 | 50 | 70 | 22.40 | 35.10 | 5 | 400 | einteilig | 46.00 |
| 04.158.5575 | 55 | 75 | 22.40 | 35.10 | 5 | 300 | einteilig | 44.85 |
| 04.158.6080 | 60 | 80 | 22.40 | 35.10 | 5 | 400 | einteilig | 46.00 |
| 04.158.6585 | 65 | 85 | 22.40 | 35.10 | 5 | 300 | einteilig | 47.15 |
| 04.158.7090 | 70 | 90 | 22.40 | 35.10 | 5 | 400 | einteilig | 51.75 |
| 04.158.7595 | 75 | 95 | 22.40 | 35.10 | 5 | 300 | einteilig | 54.05 |
| 04.158.7510 | 75 | 100 | 22.40 | 35.20 | 5 | 400 | einteilig | 56.35 |
| 04.158.8610 | 86 | 100 | 22.50 | 32.90 | 5 | 300 | einteilig | 59.80 |

Gleitringdichtungen für Stangen

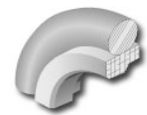


Temperatur: -30 bis 110° C,
Gleitgeschwindigkeit: <=15 m/s.

Druckrichtung >>>



GS



GSS



Turcon

| Typ | Eigenschaften |
|------|--|
| GS1 | PTFE/ 15/5. Beidseitig wirkend, für Mineralöle, Wasser, Emulsionen. Bis max. 800 Bar |
| GS2 | PTFE/Bronze. Beidseitig wirkend, für Mineralöle, Wasser, Emulsionen. Bis max. 800 Bar |
| GSS1 | PTFE/ 15/5. Einseitig wirkend, für Mineralöle, Wasser, Emulsionen. Bis max. 800 Bar |
| GSS2 | PTFE/Bronze. Einseitig wirkend, für Mineralöle, Wasser, Emulsionen. Bis max. 800 Bar |
| T | Turcon 05 PTFE, türkis, Beidseitig wirkend. Sehr gute chemische Beständigkeit, gute dielektrische Eigenschaften. |



EINSEITIG WIRKEND

| Art.-Nr. | Einbaumasse/mm Ø i Ø a | Nut- breite | Dichtung Dicke | Material | O-Ring | Typ | Preis/Stk. Komplett |
|-------------|------------------------------|----------------|-------------------|-------------|--------------|-------|------------------------|
| 04.150.1008 | 8.00 12.90 | 2.20 | 1.10 | PTFE/Bronze | 09.25 x 1.78 | GSS 2 | a.A |
| 04.150.1108 | 8.00 15.30 | 3.20 | 1.70 | PTFE/Bronze | 10.00 x 2.50 | GSS 2 | a.A |
| 04.150.1012 | 12.00 19.30 | 3.20 | 1.70 | PTFE/Bronze | 15.88 x 2.62 | GSS 2 | 20.70 |
| 04.150.1014 | 14.00 21.30 | 3.20 | 1.70 | PTFE/Bronze | 17.13 x 2.62 | GSS 2 | 21.30 |
| 04.150.1016 | 16.00 23.30 | 3.20 | 1.70 | PTFE/Bronze | 18.72 x 2.62 | GSS 2 | 22.45 |
| 04.150.1018 | 18.00 25.30 | 3.20 | 1.70 | PTFE/Bronze | 20.29 x 2.62 | GSS 2 | 23.00 |
| 04.150.1080 | 80.00 95.10 | 6.30 | 3.50 | PTFE/Bronze | 85.09 x 5.34 | GSS 2 | 32.20 |
| 04.150.1090 | 90.00 105.10 | 6.30 | 3.50 | PTFE/Bronze | 94.62 x 5.34 | GSS 2 | 57.25 |



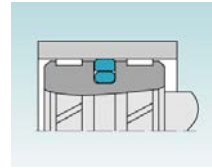
BEIDSEITIG WIRKEND

| Art.-Nr. | Einbaumasse/mm Ø i Ø a | Nut- breite | Dichtung Dicke | Material | O-Ring | Typ | Preis/Stk. Komplett |
|-------------|------------------------------|----------------|-------------------|------------------|--------------|------|------------------------|
| 04.140.0015 | 15.00 19.90 | 2.20 | 1.10 | PTFE/Bronze | 17.17 x 1.78 | GS 2 | 21.85 |
| 04.140.0016 | 16.00 20.90 | 2.20 | 1.10 | PTFE/15/5 | 17.17 x 1.78 | GS 1 | 22.45 |
| 04.142.0018 | 18.00 25.30 | 3.80 | 0.85 | T 05 Nr. 15 PTFE | 20.22 x 3.53 | T | a.A |
| 04.140.0020 | 20.00 26.20 | 3.00 | 1.00 | PTFE/15/5 | 21.89 x 2.62 | GS 1 | 25.30 |
| 04.140.0025 | 25.00 30.00 | 2.20 | 2.10 | PTFE/15/5 | 26.70 x 1.78 | GS 1 | 28.20 |
| 04.140.0030 | 30.00 37.30 | 3.20 | 1.75 | PTFE/15/5 | 33.00 x 2.50 | GS 1 | 29.35 |
| 04.140.0040 | 40.00 50.70 | 4.20 | 2.60 | PTFE/15/5 | 44.04 x 3.53 | GS 1 | 30.80 |

Gleitringdichtungen für Kolben



Temperatur: -30 bis 110° C, (Typ LRP -40 bis 200°C)
 Gleitgeschwindigkeit: <=15 m/s. (Typ LRP <=4 m/s.)



GK

Turcon

- GK1 PTFE/ 15/5. Beidseitig wirkend, für Mineralöle, Wasser, Emulsionen. Bis max. 800 Bar
- GK2 PTFE/Bronze. Beidseitig wirkend, für Mineralöle, Wasser, Emulsionen. Bis max. 800 Bar
- LRP PTFE/Kohle LC 225, für den Einsatz in mineralischen Ölen und Fetten, Wasser und Luft Druck max. 200 Bar
- T Turcon 05, türkis. Sehr gute chemische Beständigkeit, gute dielektrische Eigenschaften.

| Art.-Nr. | Einbaumasse/mm | | Nut- breite | Dichtung | | O-Ring | Typ | Preis/Stk. Kompl. |
|-------------|----------------|-------|----------------|----------|-------------|--------------|------|----------------------|
| | Ø i | Ø a | | Dicke | Material | | | |
| 04.151.0020 | 12.50 | 20.00 | 3.20 | 1.70 | PTFE/Bronze | 10.78 x 2.62 | GK 2 | 22.75 |
| 04.151.0022 | 15.80 | 22.00 | 3.00 | 1.70 | PTFE/Bronze | 15.54 x 2.62 | GK 2 | 22.75 |
| 04.151.0025 | 17.50 | 25.00 | 3.20 | 1.60 | PTFE 15/5 | 17.13 x 2.62 | GK 1 | 22.75 |
| 04.141.0025 | 20.10 | 25.00 | 2.20 | 1.00 | PTFE/Bronze | 18.77 x 1.78 | GK 1 | 16.40 |
| 04.141.0030 | 22.50 | 30.00 | 3.20 | 1.50 | PTFE/Bronze | 21.89 x 2.62 | GK 1 | 19.70 |
| 04.151.0030 | 22.50 | 30.00 | 3.80 | 1.70 | PTFE 15/5 | 21.89 x 2.62 | GK 1 | 25.90 |
| 04.151.0032 | 24.50 | 32.00 | 3.20 | 1.70 | PTFE 15/5 | 23.47 x 2.62 | GK 1 | 26.45 |
| 04.151.0035 | 27.00 | 35.00 | 4.00 | 1.00 | PTFE/Kohle | 26.58 x 3.53 | LRP | 18.40 |
| 04.151.0036 | 28.00 | 36.00 | 4.00 | 1.00 | PTFE/Kohle | 28.17 x 3.53 | LRP | 18.40 |
| 04.141.0040 | 32.50 | 40.00 | 3.20 | 1.50 | PTFE/Bronze | 31.42 x 2.62 | GK 1 | 17.55 |
| 04.143.0040 | 32.50 | 40.00 | 3.80 | 0.90 | Turcon T 05 | 31.34 x 3.53 | T | a.A |
| 04.141.0042 | 34.50 | 42.00 | 3.20 | 1.50 | PTFE/Bronze | 34.59 x 2.62 | GK 1 | 18.10 |
| 04.141.0045 | 37.50 | 45.00 | 3.20 | 1.50 | PTFE/Bronze | 37.77 x 2.62 | GK 1 | 19.85 |
| 04.141.0050 | 39.00 | 50.00 | 4.20 | 2.00 | PTFE/Bronze | 37.69 x 3.53 | GK 1 | 23.85 |
| 04.151.0056 | 44.30 | 56.00 | 6.00 | 1.15 | PTFE/Kohle | 43.82 x 5.34 | LRP | 24.75 |
| 04.151.0065 | 49.50 | 65.00 | 6.30 | 3.45 | PTFE 15/5 | 46.99 x 5.34 | GK 1 | 35.90 |
| 04.151.0075 | 62.90 | 75.00 | 6.00 | 1.40 | PTFE/Kohle | 62.87 x 5.34 | LRP | 25.90 |

Slydringe Kolben-Führungsband Schrägschnitt offen

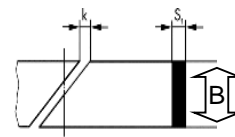


Slydring werden formgespritzt und stehen für Stangen- und Kolbensysteme zur Verfügung.
 Das Material gewährleistet eine leichte Schnappmontage bei Serienfertigung. Die Führungsringe werden vorwiegend in Standard-Zylindern und in der Lebensmittelindustrie eingesetzt.



| Art.-Nr. | Abmessung Ø/mm | Querschnitt B x H/mm | Länge gestreckt | Material | Preis/Stk. |
|-------------|-------------------|-------------------------|-----------------|----------|------------|
| 04.152.0025 | 25 | 3 x 1.5 | 70 mm | PTFE | 12.10 |
| 04.152.0032 | 32 | 3 x 1.5 | 94 mm | PTFE | 12.10 |
| 04.152.0050 | 50 | 4 x 2.5 | 146 mm | PTFE | 18.30 |

Führungsbänder



| Art.-Nr. | Abmessung/mm | | Material | Länge/m | |
|-------------|--------------|---------|-----------------|---------------|---------|
| | Breite B | Dicke S | | Originalrolle | Preis/m |
| 04.162.0315 | 3.90 | 1.55 | PTFE-Bronze | 20 | 24.15 |
| 04.162.0415 | 4 | 1.5 | PTFE-Kohle | 25 | 24.15 |
| 04.162.0525 | 5.6 | 2.5 | HGW | 10 | 80.50 |
| 04.162.0615 | 6 | 1.5 | PTFE-Bronze | 10 | 28.75 |
| 04.162.0620 | 6.1 | 2 | PTFE-Bronze | 10 | 28.75 |
| 04.162.0815 | 8 | 1.5 | FBTP P01 | 10 | 32.80 |
| 04.162.0820 | 8 | 2 | PTFE-Bronze | 10 | 38.55 |
| 04.162.9525 | 9.5 | 2.5 | PTFE-Bronze | 10 | 49.10 |
| 04.162.0925 | 9.5 | 2.5 | HGW | 10 | 166.75 |
| 04.162.0931 | 9.5 | 3.15 | PTFE-Bronze | 10 | 55.90 |
| 04.162.0930 | 9.6 | 3 | PTFE-Bronze | 10 | 49.10 |
| 04.162.0920 | 9.8 | 2 | PTFE-Bronze | 10 | 49.10 |
| 04.162.1025 | 10 | 2.5 | PTFE-Bronze 400 | 10 | 51.40 |
| 04.162.1215 | 12 | 1.5 | PTFE-Bronze | 10 | 49.10 |
| 04.162.1330 | 12.8 | 3 | PTFE-Bronze | 10 | 55.90 |
| 04.162.1525 | 14.8 | 2.5 | PTFE-Bronze | 10 | 77.40 |
| 04.162.1425 | 14.8 | 2.5 | HGW | 10 | 166.75 |
| 04.162.4025 | 40 | 2.5 | PTFE | 0.785 | 105.80 |

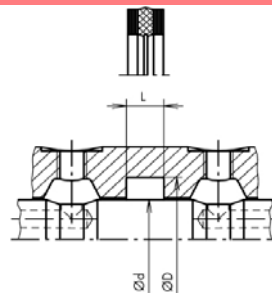
Drehdurchführungen

Lubroseal LM17C



Drehdurchführungsdichtungen NBR mit Gewebe für Schwenkbewegungen.

- Härte Elastomer:** 85 ±5 Shore A
- Druck:** max. 20 Mpa
- Einsatztemperatur:** -25 bis +80 °C
- Umfangsgeschwindigkeit:** max. 0,1 m/s
- Medienbeständigkeit:** Einsatz in mineralischen Ölen und Fetten



| Art.-Nr. | Abmessung/mm d x D x L | Bezeichnung | Material | Typ | Preis/Stk. | |
|-------------|---------------------------|-------------|------------|-----|------------|--------|
| | | | | | < 10 | ≥ 10 |
| 04.103.1220 | 12 x 20 x 6/6.5 | LM17C | NBR/Gewebe | D | 14.40 | 20.00% |
| 04.103.2028 | 20 x 28 x 6/6.5 | LM17C | NBR/Gewebe | D | 30.60 | 20.00% |
| 04.103.3040 | 30 x 40 x 8/8.5 | LM17C | NBR/Gewebe | D | 39.20 | 20.00% |
| 04.103.3545 | 35 x 45 x 8/8.5 | LM17C | NBR/Gewebe | D | 40.50 | 20.00% |

Pneumatik-Stangendichtringe AU NIPSL QHLP



Kombidichtung mit geringem Platzbedarf, die nach innen dichtet und nach aussen hin abstreift.

Neue Version PUR blau ohne Metall, Montage ohne Sprengring (hat eine vorstehende Lippe, die in der Nut einrastet). Ersetzt die Klassische Version NBR schwarz mit Metall verstärkt, Montage mit Sprengring.

Medium: Aufbereitete, getrocknete und erhöhte Druckluft (Nach Montagefettung)

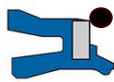
Betriebsdruck: max. 12 bar

Temperatur: -30 bis +90°C

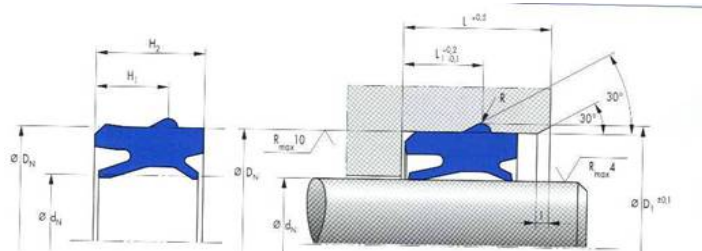
Gleitgeschwindigkeit: bis 1m/s



QHLP NBR



AU NIPSL PUR



Preis/Stk.

| Art.-Nr. | Typ | d _N | D _N | H ₁ | H ₂ | D ₁ | L/L ₁ | Material | < 5 | ≥ 5 |
|-------------|----------|----------------|----------------|----------------|----------------|----------------|------------------|----------|-------|--------|
| 04.160.1220 | AU NIPSL | 12 | 20 | 7 | 10.4 | 22.2 | 13/7.7 | PUR 94 | 20.95 | 20.00% |
| 04.160.1222 | AU NIPSL | 12 | 22 | 7 | 10.4 | 24.2 | 13/7.7 | PUR 94 | 20.95 | 20.00% |
| 04.160.1626 | AU NIPSL | 16 | 26 | 7 | 10.4 | 28.2 | 13/7.7 | PUR 94 | 23.15 | 20.00% |
| 04.160.1826 | AU NIPSL | 18 | 26 | 7 | 10.4 | 28.2 | 13/7.7 | PUR 94 | 25.55 | 20.00% |
| 04.160.1828 | AU NIPSL | 18 | 28 | 7 | 10.4 | 30.2 | 13/7.7 | PUR 94 | 25.65 | 20.00% |
| 04.160.2030 | AU NIPSL | 20 | 30 | 7 | 10.4 | 32.2 | 13/7.7 | PUR 94 | 25.90 | 20.00% |
| 04.160.2232 | AU NIPSL | 22 | 32 | 7.3 | 10.4 | 34.8 | 13/8 | PUR 94 | 26.70 | 20.00% |
| 04.160.2535 | AU NIPSL | 25 | 35 | 7.3 | 10.4 | 37.8 | 13/8 | PUR 94 | 26.70 | 20.00% |
| 04.160.3040 | AU NIPSL | 30 | 40 | 7.3 | 10.4 | 42.8 | 13/8 | PUR 94 | 29.10 | 20.00% |
| 04.160.3242 | AU NIPSL | 32 | 42 | 7.3 | 10.4 | 44.8 | 13/8 | PUR 94 | 49.95 | 20.00% |
| 04.160.4050 | AU NIPSL | 40 | 50 | 7.3 | 10.4 | 52.8 | 13/8 | PUR 94 | 36.15 | 20.00% |
| 04.160.5060 | AU NIPSL | 50 | 60 | 7.7 | 10.4 | 63.6 | 13/8.6 | PUR 94 | 42.85 | 20.00% |
| 04.159.1222 | QHLP | 12 | 22 | 7.5 | 9.9 | | | NBR | 35.65 | 20.00% |
| 04.159.1626 | QHLP | 16 | 26 | 7 | 9.5 | | | NBR | 36.80 | 20.00% |
| 04.159.1826 | QHLP | 18 | 26 | 6 | 8.5 | | | NBR | 37.40 | 20.00% |
| 04.159.1828 | QHLP | 18 | 28 | 7.9 | 8.9 | | | NBR | 38.25 | 20.00% |
| 04.159.2030 | QHLP | 20 | 30 | 7 | 9.9 | | | NBR | 42.30 | 20.00% |
| 04.159.2535 | QHLP | 25 | 35 | 7.5 | 9.5 | | | NBR | 48.55 | 20.00% |
| 04.159.3040 | QHLP | 30 | 40 | 7.5 | 11.5 | | | NBR | 55.90 | 20.00% |
| 04.159.3242 | QHLP | 32 | 42 | 7.5 | 11.5 | | | NBR | 61.75 | 20.00% |
| 04.159.4050 | QHLP | 40 | 50 | 9.7 | 11.5 | | | NBR | 66.85 | 20.00% |

Pneumatik Dämpfungsdichtung AU DIP



Dämpfungsdichtringe dichten Dämpfungskolben von Pneumatikzylindern ab und wirken gleichzeitig als Rückschlagventil. Sie bieten folgende Vorteile:

- Funktionssicherheit durch Zentrierautomatik (Radialspiel)
- Sicherer Axialdichtsitz
- grosse Überströmquerschnitte
- Einfache Montage im Nuteinstich oder im offenen Einbauraum mit Sicherungsring
- Integrierte Rückschlagventil-Funktion (Axialspiel)

Anwendungsgebiet:

Medium: Druckluft aufbereitet (Wartungseinheit) bzw. getrocknet und ölfrei (nach Montagefettung)

Druckbereich: bis 16 bar

Gleitgeschwindigkeit: bis 1.0 m/s

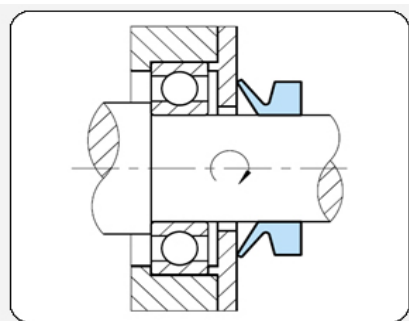
Temperaturbereich: -35°C bis +80°C

| Art.-Nr. | Abmessung/mm d x D x L | Bezeichnung | Tol. | Material | Preis/Stk. | |
|-------------|---------------------------|------------------|------|------------|------------|--------|
| | | | | | < 5 | ≥ 5 |
| 04.165.1624 | 16 x 24 x 6.2/8 | AU DIP 16-24-6 | | PUR 90°Sh. | 11.20 | 20.00% |
| 04.165.2028 | 20 x 28 x 6.2/8 | AU DIP 20-28-6 | | PUR 90°Sh. | 13.25 | 20.00% |
| 04.165.2533 | 25 x 33 x 6.2/8 | AU DIP 25-33-6 | A05 | PUR 90°Sh. | 19.00 | 20.00% |
| 04.165.3040 | 30 x 40 x 6.2/8 | AU DIP 30-40-6 | | PUR 90°Sh. | 20.45 | 20.00% |
| 04.165.3646 | 36 x 46 x 6.2/8 | AU DIP 36-46-6.2 | | PUR 90°Sh. | 21.75 | 20.00% |



Axial-Wellendichtringe

V-Ringe



Typ VA

Typ VS



Der V-Ring - eine **Axial-Wellendichtung** - weist im Durchmesser Untermass auf und hält sich durch die daraus resultierende Eigenspannung auf der umlaufenden Welle fest. Die elastische Dichtlippe läuft gegen eine Stirnwand und dichtet zuverlässig gegen Staub, Schmutz, Feuchtigkeit, Fett, Spritzwasser und andere Medien ab.

Er kann auch im Trockenlauf oder im Grenzschmierbereich mit gutem Erfolg eingesetzt werden.

Der V-Ring ist eine reine **Elastomerdichtung**, ist demzufolge dehnbar und kann - wenn erforderlich

- mühelos über Flansche und Gehäuseteil gezogen werden. Die hochelastische Dichtlippe, welche über ein federndes Gelenk mit dem V-Ring-Körper verbunden ist,

verträgt schieflage und exzentrizität der Welle.

Der V-Ring **zeigt im Betrieb eine geringe Reibung** und kann ohne Schwierigkeiten **für hohe Geschwindigkeiten eingesetzt werden**. Die Anpresskraft der Dichtlippe wird bei höheren Drehzahlen durch die an der Lippe angreifende Fliehkraft reduziert. Dadurch entsteht keine zusätzliche Reibungswärme und damit auch **keine Verhärtung** der Dichtlippe, was zu einer **hohen Standzeit** der Dichtung führt.

Härte: ca. 60 IRHD

Betriebstemperatur.: -40 bis + 100°C

Gleitgeschwindigkeit: ≤12 m/s

Druck: max. 0.2 bar

| Art.-Nr. | Typ | Qualität | Wellenbereich / mm | | | | Preis/Stk. | | | |
|-------------|-----|----------|--------------------|------|------|------|------------|--------|--------|--------|
| | | | < 10 | ≥ 10 | ≥ 25 | ≥ 50 | | | | |
| 04.170.0007 | VA | 7 | NBR | 6.5 | - | 8 | 2.40 | 40.00% | 50.00% | 70.00% |
| 04.170.0008 | VA | 8 | NBR | 8 | - | 9.5 | 2.40 | 40.00% | 50.00% | 70.00% |
| 04.170.0010 | VA | 10 | NBR | 9.5 | - | 11.5 | 2.90 | 40.00% | 50.00% | 70.00% |
| 04.170.0012 | VA | 12 | NBR | 11.5 | - | 13.5 | 2.90 | 40.00% | 50.00% | 70.00% |
| 04.172.0012 | VA | 12 | FKM | 11.5 | - | 13.5 | 8.65 | 40.00% | 50.00% | 70.00% |
| 04.170.0014 | VA | 14 | NBR | 13.5 | - | 15.5 | 3.00 | 40.00% | 50.00% | 70.00% |
| 04.170.0016 | VA | 16 | NBR | 15.5 | - | 17.5 | 3.00 | 40.00% | 50.00% | 70.00% |
| 04.171.0016 | VS | 16 | NBR | 15.5 | - | 17.5 | 3.00 | 40.00% | 50.00% | 70.00% |
| 04.170.0018 | VA | 18 | NBR | 17.5 | - | 19 | 3.20 | 40.00% | 50.00% | 70.00% |
| 04.170.0020 | VA | 20 | NBR | 19 | - | 21 | 3.35 | 40.00% | 50.00% | 70.00% |
| 04.170.0022 | VA | 22 | NBR | 21 | - | 24 | 3.55 | 40.00% | 50.00% | 70.00% |
| 04.170.0025 | VA | 25 | NBR | 24 | - | 27 | 3.55 | 40.00% | 50.00% | 70.00% |
| 04.170.0028 | VA | 28 | NBR | 27 | - | 29 | 4.05 | 40.00% | 50.00% | 70.00% |
| 04.170.0030 | VA | 30 | NBR | 29 | - | 31 | 4.05 | 40.00% | 50.00% | 70.00% |
| 04.171.0030 | VS | 30 | NBR | 29 | - | 31 | 4.05 | 40.00% | 50.00% | 70.00% |
| 04.170.0032 | VA | 32 | NBR | 31 | - | 33 | 4.25 | 40.00% | 50.00% | 70.00% |
| 04.170.0035 | VA | 35 | NBR | 33 | - | 36 | 4.50 | 40.00% | 50.00% | 70.00% |
| 04.170.0038 | VA | 38 | NBR | 36 | - | 38 | 4.85 | 40.00% | 50.00% | 70.00% |
| 04.170.0040 | VA | 40 | NBR | 38 | - | 43 | 4.95 | 40.00% | 50.00% | 70.00% |
| 04.172.0040 | VA | 40 | FKM | 38 | - | 43 | 14.05 | 40.00% | 50.00% | 70.00% |
| 04.170.0045 | VA | 45 | NBR | 43 | - | 48 | 5.30 | 40.00% | 50.00% | 70.00% |
| 04.171.0045 | VS | 45 | NBR | 43 | - | 48 | 5.30 | 40.00% | 50.00% | 70.00% |
| 04.170.0050 | VA | 50 | NBR | 48 | - | 53 | 5.50 | 40.00% | 50.00% | 70.00% |
| 04.172.0050 | VA | 50 | FKM | 48 | - | 53 | 20.15 | 40.00% | 50.00% | 70.00% |
| 04.171.0050 | VS | 50 | NBR | 48 | - | 53 | 5.50 | 40.00% | 50.00% | 70.00% |
| 04.170.0055 | VA | 55 | NBR | 53 | - | 58 | 5.75 | 40.00% | 50.00% | 70.00% |
| 04.171.0055 | VS | 55 | NBR | 53 | - | 58 | 5.75 | 40.00% | 50.00% | 70.00% |
| 04.170.0060 | VA | 60 | NBR | 58 | - | 63 | 6.35 | 40.00% | 50.00% | 70.00% |
| 04.171.0060 | VS | 60 | NBR | 58 | - | 63 | 6.35 | 40.00% | 50.00% | 70.00% |
| 04.170.0065 | VA | 65 | NBR | 63 | - | 68 | 6.90 | 40.00% | 50.00% | 70.00% |
| 04.171.0065 | VS | 65 | NBR | 63 | - | 68 | 6.90 | 40.00% | 50.00% | 70.00% |
| 04.170.0070 | VA | 70 | NBR | 69 | - | 73 | 7.35 | 40.00% | 50.00% | 70.00% |
| 04.171.0070 | VS | 70 | NBR | 69 | - | 73 | 7.35 | 40.00% | 50.00% | 70.00% |
| 04.170.0075 | VA | 75 | NBR | 73 | - | 78 | 7.95 | 40.00% | 50.00% | 70.00% |
| 04.171.0075 | VS | 75 | NBR | 73 | - | 78 | 7.95 | 40.00% | 50.00% | 70.00% |
| 04.170.0080 | VA | 80 | NBR | 78 | - | 83 | 8.50 | 40.00% | 50.00% | 70.00% |
| 04.170.0085 | VA | 85 | NBR | 83 | - | 88 | 8.95 | 40.00% | 50.00% | 70.00% |
| 04.170.0090 | VA | 90 | NBR | 88 | - | 93 | 10.00 | 40.00% | 50.00% | 70.00% |
| 04.170.0095 | VA | 95 | NBR | 93 | - | 98 | 10.00 | 40.00% | 50.00% | 70.00% |
| 04.170.0100 | VA | 100 | NBR | 98 | - | 105 | 10.45 | 40.00% | 50.00% | 70.00% |
| 04.171.0100 | VS | 100 | NBR | 98 | - | 105 | 10.45 | 40.00% | 50.00% | 70.00% |
| 04.170.0110 | VA | 110 | NBR | 105 | - | 115 | 13.10 | 40.00% | 50.00% | 70.00% |
| 04.171.0110 | VS | 110 | NBR | 105 | - | 115 | 13.10 | 40.00% | 50.00% | 70.00% |
| 04.170.0120 | VA | 120 | NBR | 115 | - | 125 | 17.00 | 40.00% | 50.00% | 70.00% |
| 04.171.0120 | VS | 120 | NBR | 115 | - | 125 | 17.00 | 40.00% | 50.00% | 70.00% |

| Art.-Nr. | Typ | Qualität | Wellenbereich / mm | | | | Preis/Stk. | | | |
|-------------|-----|----------|--------------------|------|------|------|------------|--------|--------|--------|
| | | | < 10 | ≥ 10 | ≥ 25 | ≥ 50 | | | | |
| 04.170.0130 | VA | 130 | NBR | 125 | - | 135 | 20.70 | 40.00% | 50.00% | 70.00% |
| 04.170.0140 | VA | 140 | NBR | 135 | - | 145 | 24.05 | 40.00% | 50.00% | 70.00% |
| 04.171.0140 | VS | 140 | NBR | 135 | - | 145 | 24.05 | 40.00% | 50.00% | 70.00% |
| 04.170.0150 | VA | 150 | NBR | 145 | - | 155 | 27.35 | 40.00% | 50.00% | 70.00% |
| 04.171.0150 | VS | 150 | NBR | 145 | - | 155 | 27.35 | 40.00% | 50.00% | 70.00% |
| 04.170.0160 | VA | 160 | NBR | 155 | - | 165 | 31.65 | 40.00% | 50.00% | 70.00% |
| 04.170.0180 | VA | 180 | NBR | 175 | - | 185 | 41.40 | 40.00% | 50.00% | 70.00% |
| 04.171.0180 | VS | 180 | NBR | 175 | - | 185 | 41.40 | 40.00% | 50.00% | 70.00% |
| 04.170.0190 | VA | 190 | NBR | 185 | - | 195 | 44.30 | 40.00% | 50.00% | 70.00% |
| 04.170.0199 | VA | 199 | NBR | 195 | - | 210 | 47.95 | 40.00% | 50.00% | 70.00% |
| 04.171.0199 | VS | 199 | NBR | 195 | - | 210 | 47.95 | 40.00% | 50.00% | 70.00% |
| 04.170.0275 | VA | 275 | NBR | 265 | - | 290 | 97.30 | 40.00% | 50.00% | 70.00% |
| 04.170.0300 | VA | 300 | NBR | 290 | - | 310 | 143.65 | 40.00% | 50.00% | 70.00% |

Back-up-Ringe (Stützringe)



| Art.-Nr. | Abmessung/mm zu O-Ring | | | Material | Typ | Form | Preis/Stk. | |
|-------------|------------------------|--------|-------|----------|-------------|--------------|------------|--------|
| | Ø i | Breite | Dicke | | | | < 10 | ≥ 10 |
| 04.154.0601 | 6.07 | 1.78 | | PTFE | BKW 2025 | Spiralförmig | 5.50 | 30.00% |
| 04.154.1001 | 10.82 | 1.78 | | PTFE | BKW 2043 | Spiralförmig | 6.35 | 30.00% |
| 04.154.2201 | 22.00 | 3.40 | 1.10 | PTFE | BK | Geschlossen | 7.70 | 30.00% |
| 04.154.2502 | 25.07 | 2.62 | | PTFE | BKW 3100 | Spiralförmig | 8.05 | 30.00% |
| 04.154.2028 | 26.64 | 2.62 | 1.50 | PTFE | BKW 3106 | Spiralförmig | 8.85 | 30.00% |
| 04.154.3103 | 31.34 | 3.53 | | C-PU | PBK 218 | Geschlossen | 9.45 | 30.00% |
| 04.154.3203 | 32.93 | 3.53 | | PTFE | BKW 4131 | Spiralförmig | 10.10 | 30.00% |
| 04.154.3403 | 34.52 | 3.53 | 1.50 | C-PU | PBK 220 | Geschlossen | 11.40 | 30.00% |
| 04.154.4103 | 41.86 | 3.53 | 1.50 | PTFE | BKW 4162 | Spiralförmig | 20.60 | 30.00% |
| 04.154.5605 | 56.52 | 5.34 | 1.70 | C-PU | PBK 331 | Geschlossen | 11.40 | 30.00% |
| 04.154.6103 | 61.91 | 3.53 | | PTFE | BKW 165 | Spiralförmig | 20.60 | 30.00% |
| 04.154.6205 | 62.87 | 5.34 | 1.78 | C-PU | PBK 342 | Geschlossen | 20.60 | 30.00% |
| 04.154.6903 | 69.44 | 3.53 | | C-PU | PBK 232/843 | Geschlossen | 21.40 | 30.00% |
| 04.154.7303 | 73.00 | 3.50 | 1.70 | PTFE | BK | Geschlossen | 17.25 | 30.00% |
| 04.154.7805 | 78.74 | 5.34 | 1.70 | C-PU | PBK 338/620 | Geschlossen | 22.10 | 30.00% |
| 04.154.9005 | 91.44 | 5.34 | | C-PU | PBK 333 | Geschlossen | 22.75 | 30.00% |
| 04.154.1103 | 113.89 | 3.53 | 1.60 | C-PU | PBK 246 | Geschlossen | 23.35 | 30.00% |

Usit-Ringe NBR (Megu-Ringe / Schraubendichtungen)

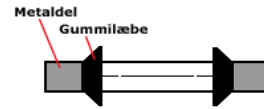


Schraubendichtung beständig gegen: Mineralöle, Wasser, Wasser/Luft- und Wasser/Öl-Gemisch, nicht UV und Ozonbeständig.

Werkstoff: Metallring = Stahl verzinkt/passiv, **Dichtlippe** = NBR 90 ± 5 Shore A

Einsatztemperatur: -40 bis + 100°C

Druck: bis Ø innen 52.0 = 400 bar, ab Ø innen 53.3 = 250 bar



| Art.-Nr. | Abmessung/mm | | Dicke | Material | Preis/Stk. | | |
|-------------|--------------|-------|-------|-----------|------------|--------|--------|
| | Ø i | Ø a | | | < 10 | ≥ 10 | ≥ 100 |
| 04.153.0407 | 4.10 | 7.20 | 1.00 | NBR/Stahl | 4.30 | 50.00% | 70.00% |
| 04.153.0507 | 4.50 | 7.00 | 1.00 | NBR/Stahl | 4.30 | 50.00% | 70.00% |
| 04.153.0509 | 5.70 | 9.00 | 1.00 | NBR/Stahl | 4.65 | 50.00% | 70.00% |
| 04.153.0609 | 6.20 | 9.20 | 1.00 | NBR/Stahl | 4.65 | 50.00% | 70.00% |
| 04.153.0610 | 6.70 | 10.00 | 1.00 | NBR/Stahl | 4.65 | 50.00% | 70.00% |
| 04.153.0712 | 7.10 | 12.00 | 1.00 | NBR/Stahl | 4.65 | 50.00% | 70.00% |
| 04.153.0710 | 7.30 | 10.20 | 1.00 | NBR/Stahl | 4.65 | 50.00% | 70.00% |
| 04.153.0813 | 8.50 | 13.40 | 1.00 | NBR/Stahl | 4.90 | 50.00% | 70.00% |
| 04.153.0913 | 8.70 | 13.00 | 1.00 | NBR/Stahl | 4.90 | 50.00% | 70.00% |
| 04.153.0814 | 8.70 | 14.00 | 1.00 | NBR/Stahl | 4.90 | 50.00% | 70.00% |
| 04.153.1013 | 9.30 | 13.30 | 1.00 | NBR/Stahl | 4.90 | 50.00% | 70.00% |
| 04.153.1016 | 10.35 | 16.00 | 2.00 | NBR/Stahl | 7.00 | 50.00% | 70.00% |
| 04.153.1115 | 10.37 | 15.88 | 2.03 | NBR/Stahl | 7.00 | 50.00% | 70.00% |
| 04.153.1014 | 10.40 | 14.70 | 1.25 | NBR/Stahl | 5.40 | 50.00% | 70.00% |
| 04.153.1015 | 10.70 | 16.00 | 1.50 | NBR/Stahl | 5.40 | 50.00% | 70.00% |
| 04.153.1116 | 11.40 | 16.30 | 1.50 | NBR/Stahl | 5.40 | 50.00% | 70.00% |
| 04.153.1118 | 11.80 | 18.50 | 1.50 | NBR/Stahl | 5.40 | 50.00% | 70.00% |
| 04.153.1218 | 12.70 | 18.00 | 1.50 | NBR/Stahl | 5.80 | 50.00% | 70.00% |
| 04.153.1220 | 12.70 | 20.00 | 1.50 | NBR/Stahl | 5.85 | 50.00% | 70.00% |
| 04.153.1320 | 13.70 | 20.00 | 1.50 | NBR/Stahl | 5.90 | 50.00% | 70.00% |
| 04.153.1321 | 13.74 | 20.57 | 2.03 | NBR/Stahl | 7.25 | 50.00% | 70.00% |
| 04.153.1420 | 13.80 | 20.10 | 1.50 | NBR/Stahl | 5.90 | 50.00% | 70.00% |
| 04.153.1318 | 13.85 | 18.70 | 1.25 | NBR/Stahl | 5.80 | 50.00% | 70.00% |
| 04.153.1418 | 14.00 | 18.70 | 1.50 | NBR/Stahl | 5.90 | 50.00% | 70.00% |
| 04.153.1422 | 14.70 | 22.00 | 1.50 | NBR/Stahl | 6.05 | 50.00% | 70.00% |
| 04.153.1622 | 16.00 | 22.70 | 1.50 | NBR/Stahl | 6.10 | 50.00% | 70.00% |
| 04.153.1624 | 16.70 | 24.00 | 1.50 | NBR/Stahl | 5.90 | 50.00% | 70.00% |
| 04.153.1723 | 17.28 | 23.80 | 2.03 | NBR/Stahl | 7.65 | 50.00% | 70.00% |
| 04.153.1722 | 17.35 | 22.70 | 1.25 | NBR/Stahl | 6.10 | 50.00% | 70.00% |
| 04.153.1724 | 17.40 | 24.00 | 1.50 | NBR/Stahl | 6.25 | 50.00% | 70.00% |
| 04.153.1824 | 18.00 | 24.70 | 1.50 | NBR/Stahl | 6.35 | 50.00% | 70.00% |
| 04.153.1826 | 18.70 | 26.00 | 1.50 | NBR/Stahl | 6.80 | 50.00% | 70.00% |

| Art.-Nr. | Abmessung/mm | | Dicke | Material | Preis/Stk. | | | |
|-------------|--------------|-------|-------|-----------|-------------|--------|--------|--------|
| | Ø i | Ø a | | | < 10 | ≥ 10 | ≥ 100 | |
| 04.153.2028 | 20.70 | 28.00 | 1.50 | NBR/Stahl | 6.95 | 50.00% | 70.00% | |
| 04.153.2129 | 21.50 | 28.70 | 2.50 | NBR/Stahl | 8.30 | 50.00% | 70.00% | |
| 04.155.2129 | 21.50 | 28.70 | 2.50 | NBR/Stahl | NIBL | 8.30 | 50.00% | 70.00% |
| 04.153.2128 | 21.54 | 28.58 | 2.34 | NBR/Stahl | 7.90 | 50.00% | 70.00% | |
| 04.153.2126 | 21.65 | 26.70 | 1.25 | NBR/Stahl | 6.95 | 50.00% | 70.00% | |
| 04.153.2230 | 22.70 | 30.00 | 2.00 | NBR/Stahl | 7.65 | 50.00% | 70.00% | |
| 04.153.2330 | 22.70 | 30.00 | 3.00 | NBR/Stahl | 9.50 | 50.00% | 70.00% | |
| 04.153.2331 | 23.49 | 31.75 | 2.34 | NBR/Stahl | 9.50 | 50.00% | 70.00% | |
| 04.153.2432 | 24.70 | 32.00 | 2.00 | NBR/Stahl | 9.55 | 50.00% | 70.00% | |
| 04.153.2635 | 26.70 | 35.00 | 2.00 | NBR/Stahl | 9.60 | 50.00% | 70.00% | |
| 04.153.2734 | 27.05 | 34.93 | 2.34 | NBR/Stahl | 9.60 | 50.00% | 70.00% | |
| 04.153.2736 | 27.20 | 36.00 | 2.00 | NBR/Stahl | 9.60 | 50.00% | 70.00% | |
| 04.153.2732 | 27.30 | 32.50 | 1.25 | NBR/Stahl | 8.40 | 50.00% | 70.00% | |
| 04.153.2837 | 28.70 | 37.00 | 2.00 | NBR/Stahl | 10.05 | 50.00% | 70.00% | |
| 04.153.3038 | 30.81 | 38.10 | 2.34 | NBR/Stahl | 10.05 | 50.00% | 70.00% | |
| 04.153.3139 | 31.00 | 39.00 | 2.00 | NBR/Stahl | 10.35 | 50.00% | 70.00% | |
| 04.153.3342 | 33.70 | 42.00 | 2.00 | NBR/Stahl | 11.60 | 50.00% | 70.00% | |
| 04.153.3442 | 33.89 | 42.80 | 3.25 | NBR/Stahl | 11.60 | 50.00% | 70.00% | |
| 04.153.3439 | 34.20 | 39.50 | 2.00 | NBR/Stahl | 10.60 | 50.00% | 70.00% | |
| 04.153.3443 | 34.30 | 43.00 | 2.00 | NBR/Stahl | 10.75 | 50.00% | 70.00% | |
| 04.153.3646 | 36.70 | 46.00 | 2.00 | NBR/Stahl | 10.30 | 50.00% | 70.00% | |
| 04.153.4051 | 40.00 | 51.00 | 2.50 | NBR/Stahl | 10.60 | 50.00% | 70.00% | |
| 04.153.4253 | 42.70 | 53.00 | 3.00 | NBR/Stahl | 11.95 | 50.00% | 70.00% | |
| 04.153.4249 | 42.80 | 49.50 | 2.00 | NBR/Stahl | 12.15 | 50.00% | 70.00% | |
| 04.153.4855 | 48.70 | 55.50 | 2.00 | NBR/Stahl | 12.35 | 50.00% | 70.00% | |
| 04.153.4859 | 48.70 | 59.00 | 3.00 | NBR/Stahl | 13.45 | 50.00% | 70.00% | |
| 04.153.5260 | 52.00 | 60.00 | 3.00 | NBR/Stahl | 13.00 | 50.00% | 70.00% | |
| 04.153.5364 | 53.30 | 64.50 | 3.00 | NBR/Stahl | 15.55 | 50.00% | 70.00% | |
| 04.153.6068 | 60.50 | 68.50 | 2.00 | NBR/Stahl | 15.95 | 50.00% | 70.00% | |
| 04.153.6073 | 60.70 | 73.00 | 3.00 | NBR/Stahl | 15.95 | 50.00% | 70.00% | |
| 04.153.7690 | 76.08 | 90.17 | 3.25 | NBR/Stahl | 17.40 | 50.00% | 70.00% | |