



## ERIKS X-ring NBR 70 Compound 36624



You use the black NBR X-ring from ERIKS as a seal for hydraulic oils and lubricating oils in linear or rotational systems. The characteristics of this X-ring make it the ideal replacement for an O-ring seal in slow, dynamic applications. This product offers standardised quality and is widely used in the hydraulics sector and general industry. For applications with temperatures above +120°C, the X-ring Compound 51414 is a better choice.

### Characteristics

**Material:** NBR

**Colour:** Black

**Hardness:** 70

**Compound:** 36624

**Temperature range:** -30 / 120 °C

### Application

#### • Temperature resistance

This X-ring has an operating temperature range of -30°C to +120°C.

#### Maximum pressure

Compound 36624 has a Shore A hardness of 70. As a result, this O-ring is suitable for applications with a pressure of up to 80 bars. Refer to the chart below for information on the relationship between hardness, pressure, the groove dimensions and the seal clearance gap. You should always adhere to these guidelines.

At higher pressures (above 50 bars), we recommend using back-up rings in addition to an X-ring.

#### Chemical resistance

Nitrile rubber is suitable for most applications that involve oils and greases. It is not resistant to ozone or UV radiation. Furthermore, it does not tolerate some organic oils or greases well, and should not be used for high-temperature applications. In such cases, an FFKM, FKM or HNBR O-ring is a better choice (depending on the application).

Recommended in: Chemical

| Internal diameter | Cross section | Size according to AS568-BS1806-ISO3601 | Article                        |
|-------------------|---------------|----------------------------------------|--------------------------------|
| mm                | mm            |                                        | Max. 200 articles in the table |
| 0.74              | 1.02          | 001                                    | 10031371                       |
| 1.07              | 1.27          | 002                                    | 10031372                       |
| 1.24              | 2.62          | 102                                    | 10031422                       |
| 1.42              | 1.52          | 003                                    | 10031373                       |
| 1.78              | 1.02          |                                        | 10031374                       |
| 1.78              | 1.78          | 004                                    | 10031375                       |
| 2.06              | 2.62          | 103                                    | 10031423                       |
| 2.57              | 1.78          | 005                                    | 10031376                       |
| 2.86              | 2.62          |                                        | 10031424                       |
| 2.9               | 1.78          | 006                                    | 10031377                       |
| 3.68              | 1.78          | 007                                    | 10031378                       |

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| Internal diameter | Cross section | Size according to AS568-BS1806-ISO3601 | Article                        |
|-------------------|---------------|----------------------------------------|--------------------------------|
| mm                | mm            |                                        | Max. 200 articles in the table |
| 4.34              | 3.53          | 201                                    | 10031501                       |
| 4.42              | 2.62          | 106                                    | 10031426                       |
| 4.47              | 1.78          | 008                                    | 10031379                       |
| 5.23              | 2.62          | 107                                    | 10031427                       |
| 5.28              | 1.78          | 009                                    | 10031380                       |
| 5.94              | 3.53          | 202                                    | 10031502                       |
| 6.02              | 2.62          | 108                                    | 10031428                       |
| 6.07              | 1.78          | 010                                    | 10031381                       |
| 7.52              | 3.53          | 203                                    | 10031503                       |
| 7.59              | 2.62          | 109                                    | 10031429                       |
| 7.65              | 1.78          | 011                                    | 10031382                       |
| 9.12              | 3.53          | 204                                    | 10031504                       |
| 9.19              | 2.62          | 110                                    | 10031430                       |
| 9.25              | 1.78          | 012                                    | 10031383                       |
| 10.2              | 2.62          |                                        | 10031432                       |
| 10.69             | 3.53          | 205                                    | 10031505                       |
| 10.77             | 2.62          | 111                                    | 10031431                       |
| 10.82             | 1.78          | 013                                    | 10031384                       |
| 12.29             | 3.53          | 206                                    | 10031506                       |
| 12.37             | 2.62          | 112                                    | 10031433                       |
| 12.42             | 1.78          | 014                                    | 10031385                       |
| 13.87             | 3.53          | 207                                    | 10031507                       |
| 13.94             | 2.62          | 113                                    | 10031434                       |
| 14                | 1.78          | 015                                    | 10031386                       |
| 14.8              | 2.62          |                                        | 10031436                       |
| 15.47             | 3.53          | 208                                    | 10031508                       |
| 15.54             | 2.62          | 114                                    | 10031435                       |
| 15.6              | 1.78          | 016                                    | 10031387                       |
| 17.04             | 3.53          | 209                                    | 10031509                       |
| 17.12             | 2.62          | 115                                    | 10031437                       |
| 17.17             | 1.78          | 017                                    | 10031388                       |
| 18.64             | 3.53          | 210                                    | 10031510                       |
| 18.72             | 2.62          | 116                                    | 10031438                       |
| 18.77             | 1.78          | 018                                    | 10031389                       |
| 20.22             | 3.53          | 211                                    | 10031511                       |
| 20.29             | 2.62          | 117                                    | 10031439                       |
| 20.35             | 1.78          | 019                                    | 10031390                       |
| 21.82             | 3.53          | 212                                    | 10031512                       |
| 21.89             | 2.62          | 118                                    | 10031440                       |
| 21.95             | 1.78          | 020                                    | 10031391                       |
| 23.39             | 3.53          | 213                                    | 10031513                       |
| 23.47             | 2.62          | 119                                    | 10031441                       |
| 23.52             | 1.78          | 021                                    | 10031392                       |
| 24.99             | 3.53          | 214                                    | 10031514                       |
| 25.07             | 2.62          | 120                                    | 10031442                       |
| 25.12             | 1.78          | 022                                    | 10031393                       |
| 26.57             | 3.53          | 215                                    | 10031515                       |
| 26.64             | 2.62          | 121                                    | 10031443                       |
| 26.7              | 1.78          | 023                                    | 10031394                       |
| 28.17             | 3.53          | 216                                    | 10031516                       |
| 28.24             | 2.62          | 122                                    | 10031444                       |
| 28.3              | 1.78          | 024                                    | 10031395                       |

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| Internal diameter | Cross section | Size according to AS568-BS1806-ISO3601 | Article                        |
|-------------------|---------------|----------------------------------------|--------------------------------|
| mm                | mm            |                                        | Max. 200 articles in the table |
| 29.74             | 3.53          | 217                                    | 10031517                       |
| 29.82             | 2.62          | 123                                    | 10031445                       |
| 29.87             | 1.78          | 025                                    | 10031396                       |
| 31.34             | 3.53          | 218                                    | 10031518                       |
| 31.42             | 2.62          | 124                                    | 10031446                       |
| 31.47             | 1.78          | 026                                    | 10031397                       |
| 32.92             | 3.53          | 219                                    | 10031519                       |
| 32.99             | 2.62          | 125                                    | 10031447                       |
| 33.05             | 1.78          | 027                                    | 10031398                       |
| 34.52             | 3.53          | 220                                    | 10031520                       |
| 34.59             | 2.62          | 126                                    | 10031448                       |
| 34.65             | 1.78          | 028                                    | 10031399                       |
| 36.09             | 3.53          | 221                                    | 10031521                       |
| 36.17             | 2.62          | 127                                    | 10031449                       |
| 37.69             | 3.53          | 222                                    | 10031522                       |
| 37.77             | 2.62          | 128                                    | 10031450                       |
| 37.82             | 1.78          | 029                                    | 10031400                       |
| 39.34             | 2.62          | 129                                    | 10031451                       |
| 40.87             | 3.53          | 223                                    | 10031523                       |
| 40.94             | 2.62          | 130                                    | 10031452                       |
| 41                | 1.78          | 030                                    | 10031401                       |
| 42.52             | 2.62          | 131                                    | 10031453                       |
| 44.04             | 3.53          | 224                                    | 10031524                       |
| 44.12             | 2.62          | 132                                    | 10031454                       |
| 44.17             | 1.78          | 031                                    | 10031402                       |
| 45.69             | 2.62          | 133                                    | 10031455                       |
| 47.22             | 3.53          | 225                                    | 10031525                       |
| 47.29             | 2.62          | 134                                    | 10031456                       |
| 47.35             | 1.78          | 032                                    | 10031403                       |
| 48.9              | 2.62          | 135                                    | 10031457                       |
| 50.39             | 3.53          | 226                                    | 10031526                       |
| 50.47             | 2.62          | 136                                    | 10031458                       |
| 50.52             | 1.78          | 033                                    | 10031404                       |
| 52.07             | 2.62          | 137                                    | 10031459                       |
| 53.57             | 3.53          | 227                                    | 10031527                       |
| 53.65             | 2.62          |                                        | 10031460                       |
| 53.7              | 1.78          | 034                                    | 10031405                       |
| 55.25             | 2.62          | 139                                    | 10031461                       |
| 56.74             | 3.53          | 228                                    | 10031528                       |
| 56.82             | 2.62          | 140                                    | 10031462                       |
| 56.87             | 1.78          | 035                                    | 10031406                       |
| 58.42             | 2.62          | 141                                    | 10031463                       |
| 59.92             | 3.53          | 229                                    | 10031529                       |
| 60                | 2.62          |                                        | 10031464                       |
| 60.05             | 1.78          | 036                                    | 10031407                       |
| 61.6              | 2.62          | 143                                    | 10031465                       |
| 63.09             | 3.53          | 230                                    | 10031530                       |
| 63.17             | 2.62          | 144                                    | 10031466                       |
| 63.22             | 1.78          | 037                                    | 10031408                       |
| 64.77             | 2.62          | 145                                    | 10031467                       |
| 66.27             | 3.53          | 231                                    | 10031531                       |
| 66.35             | 2.62          |                                        | 10031468                       |

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|-------------------|---------------|----------------------------------------|--------------------------------|
| mm                | mm            |                                        | Max. 200 articles in the table |
| 66.4              | 1.78          | 038                                    | 10031409                       |
| 67.95             | 2.62          | 147                                    | 10031469                       |
| 69.44             | 3.53          | 232                                    | 10031532                       |
| 69.52             | 2.62          | 148                                    | 10031470                       |
| 69.57             | 1.78          | 039                                    | 10031410                       |
| 71.12             | 2.62          | 149                                    | 10031471                       |
| 72.62             | 3.53          | 233                                    | 10031533                       |
| 72.69             | 2.62          | 150                                    | 10031472                       |
| 72.75             | 1.78          | 040                                    | 10031411                       |
| 75.79             | 3.53          | 234                                    | 10031534                       |
| 75.87             | 2.62          | 151                                    | 10031473                       |
| 75.92             | 1.78          | 041                                    | 10031412                       |
| 78.97             | 3.53          | 235                                    | 10031535                       |
| 82.14             | 3.53          | 236                                    | 10031536                       |
| 82.22             | 2.62          | 152                                    | 10031474                       |
| 82.27             | 1.78          | 042                                    | 10031413                       |
| 85.32             | 3.53          | 237                                    | 10031537                       |
| 88.49             | 3.53          | 238                                    | 10031538                       |
| 88.57             | 2.62          | 153                                    | 10031475                       |
| 88.62             | 1.78          | 043                                    | 10031414                       |
| 91.67             | 3.53          | 239                                    | 10031539                       |
| 94.84             | 3.53          | 240                                    | 10031540                       |
| 94.92             | 2.62          | 154                                    | 10031476                       |
| 94.97             | 1.78          | 044                                    | 10031415                       |
| 98.02             | 3.53          | 241                                    | 10031541                       |
| 101.19            | 3.53          | 242                                    | 10031542                       |
| 101.27            | 2.62          | 155                                    | 10031477                       |
| 101.32            | 1.78          | 045                                    | 10031416                       |
| 104.37            | 3.53          | 243                                    | 10031543                       |
| 107.54            | 3.53          | 244                                    | 10031544                       |
| 107.62            | 2.62          | 156                                    | 10031478                       |
| 107.67            | 1.78          | 046                                    | 10031417                       |
| 110.72            | 3.53          | 245                                    | 10031545                       |
| 113.89            | 3.53          | 246                                    | 10031546                       |
| 113.97            | 2.62          | 157                                    | 10031479                       |
| 114.02            | 1.78          | 047                                    | 10031418                       |
| 117.07            | 3.53          | 247                                    | 10031547                       |
| 120.24            | 3.53          | 248                                    | 10031548                       |
| 120.32            | 2.62          | 158                                    | 10031480                       |
| 120.37            | 1.78          | 048                                    | 10031419                       |
| 123.42            | 3.53          | 249                                    | 10031549                       |
| 126.59            | 3.53          | 250                                    | 10031550                       |
| 126.67            | 2.62          | 159                                    | 10031481                       |
| 126.72            | 1.78          | 049                                    | 10031420                       |
| 129.77            | 3.53          | 251                                    | 10031551                       |
| 132.94            | 3.53          | 252                                    | 10031552                       |
| 133.02            | 2.62          | 160                                    | 10031482                       |
| 136.12            | 3.53          | 253                                    | 10031553                       |
| 139.29            | 3.53          | 254                                    | 10031554                       |
| 139.37            | 2.62          | 161                                    | 10031483                       |
| 142.47            | 3.53          | 255                                    | 10031555                       |
| 145.64            | 3.53          | 256                                    | 10031556                       |

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|-------------------|---------------|----------------------------------------|--------------------------------|
| mm                | mm            |                                        | Max. 200 articles in the table |
| 145.72            | 2.62          | 162                                    | 10031484                       |
| 148.82            | 3.53          | 257                                    | 10031557                       |
| 151.99            | 3.53          | 258                                    | 10031558                       |
| 158.34            | 3.53          | 259                                    | 10031559                       |
| 158.42            | 2.62          | 164                                    | 10031486                       |
| 164.69            | 3.53          | 260                                    | 10031560                       |
| 171.04            | 3.53          | 261                                    | 10031561                       |
| 171.12            | 2.62          | 166                                    | 10031488                       |
| 177.39            | 3.53          | 262                                    | 10031562                       |
| 177.47            | 2.62          | 167                                    | 10031489                       |
| 183.74            | 3.53          | 263                                    | 10031563                       |
| 183.82            | 2.62          | 168                                    | 10031490                       |
| 190.09            | 3.53          | 264                                    | 10031564                       |
| 190.17            | 2.62          | 169                                    | 10031491                       |
| 196.44            | 3.53          | 265                                    | 10031565                       |
| 202.79            | 3.53          | 266                                    | 10031566                       |
| 202.87            | 2.62          | 171                                    | 10031493                       |
| 209.14            | 3.53          | 267                                    | 10031567                       |
| 209.22            | 2.62          | 172                                    | 10031494                       |
| 215.49            | 3.53          | 268                                    | 10031568                       |
| 215.57            | 2.62          | 173                                    | 10031495                       |
| 221.84            | 3.53          | 269                                    | 10031569                       |
| 221.92            | 2.62          | 174                                    | 10031496                       |
| 228.19            | 3.53          | 270                                    | 10031570                       |
| 228.27            | 2.62          | 175                                    | 10031497                       |
| 234.54            | 3.53          | 271                                    | 10031571                       |
| 234.62            | 2.62          | 176                                    | 10031498                       |
| 240.89            | 3.53          | 272                                    | 10031572                       |
| 240.97            | 2.62          | 177                                    | 10031499                       |
| 247.24            | 3.53          | 273                                    | 10031573                       |
| 247.32            | 2.62          | 178                                    | 10031500                       |
| 253.59            | 3.53          | 274                                    | 10031574                       |

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