



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
3.83	2.62		10031425
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

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mm	mm		Max. 200 articles in the table
28.3	1.78	024	10031395
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

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Internal diameter	Cross section	Size according to AS568-BS1806-ISO3601	Article
mm	mm		Max. 200 articles in the table
66.35	2.62		10031468
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
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
133.07	1.78	050	10031421
136.12	3.53	253	10031553
139.29	3.53	254	10031554
139.37	2.62	161	10031483
142.47	3.53	255	10031555

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mm	mm		Max. 200 articles in the table
145.64	3.53	256	10031556
145.72	2.62	162	10031484
151.99	3.53	258	10031558
152.07	2.62	163	10031485
158.34	3.53	259	10031559
158.42	2.62	164	10031486
164.69	3.53	260	10031560
164.77	2.62	165	10031487
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
196.22	2.62		10031492
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
240.97	2.62	177	10031499
247.32	2.62	178	10031500

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