



ERIKS X-ring FKM 75 Compound 51414



You mainly use the black FKM* X-ring from ERIKS as a seal for lubricating and hydraulic oils at high temperatures in linear or rotational applications. The characteristics of this X-ring make it the ideal replacement for an O-ring seal in slow, dynamic applications. This seal is widely applicable and often found in the chemicals and hydraulics sectors, and in general industry. * Viton, the brand name for FKM, may be more familiar to you.

Characteristics

Material: FKM

Colour: Black

Hardness: 75

Compound: 51414

Temperature range: -20 / 200 °C

Application

● Temperature resistance

This FKM 75 X-ring has an operating temperature range of -20°C to +200°C.

Maximum pressure

Compound 51414 has a Shore A hardness of 75. As a result, this X-ring is suitable for applications with a pressure of up to 80 bars. Refer to the chart below for information on the relationship between pressure, hardness, the seal clearance gap and the groove dimensions. You should always adhere to these guidelines.

At higher pressures, we recommend using back-up rings in addition to an X-ring.

Chemical resistance

This material is an excellent solution for applications that involve lubricating and hydraulic oils. It also offers a good resistance to acids, bases, greases, ageing and UV radiation. Furthermore, FKM is often used in combination with a vacuum. For sealing steam, you should preferably use HNBR or FFKM, depending on the application.

Recommended in: Chemical

Internal diameter	Cross section	Size according to AS568-BS1806-ISO3601	Article
mm	mm		
2.9	1.78	006	Q4006FPM75-51414
7.65	1.78	011	Q4011FPM75-51414
10.77	2.62	111	Q4111FPM75-51414
13.94	2.62	113	Q4113FPM75-51414
17.17	1.78	017	Q4017FPM75-51414
29.82	2.62	123	Q4123FPM75-51414
31.34	3.53	218	Q4218FPM75-51414
32.92	3.53	219	Q4219FPM75-51414
37.69	3.53	222	Q4222FPM75-51414
47.22	3.53	225	Q4225FPM75-51414
107.54	3.53	244	Q4244FPM75-51414

Disclaimer: The content of this document has been composed with the utmost care. However, it is possible that certain information changes over time, becomes inaccurate or incomplete. ERIKS does not guarantee that the information provided on this document is up to date, accurate and complete; the information provided is not intended to be advice. ERIKS shall never be liable for damage resulting from the use of the information provided.