

O-RINGS & PRECISION SEALING

Industrial Sealing Solutions



Complete O-Ring Range

High-performance elastomeric seals engineered for reliability across demanding industrial environments.

- **Materials** NBR, FKM, EPDM, Silicone, Viton
- **Temperature** -40 °C to +200 °C | Shore A 70-90
- **Standards** DIN 3771, ISO 3601, AS 568, JIS B2401

Key Specifications

Hardness

70-90 Shore A

Sizes

1mm to 500mm ID

Temp Range

-40 to +200 °C

Pressure

Up to 40 bar

Standards

DIN, ISO, AS, JIS

Customization

Available

Application Areas

● Automotive

● Hydraulic Systems

● Pneumatic Systems

● Food Industry

● Chemical Industry

● Oil & Gas

● Water Treatment

● General Manufacturing

Product Range



NBR X-Ring

Nitrile / standard duty



NBR O-Ring Set

multi-size assortments



FKM O-Rings

black, brown, green variants

About trigontek

From precision components to engineering design, consultation and metal works, trigontek helps industrial customers worldwide turn complex requirements into reliable, ready-to-install solutions. Established in 2023, our team members each bring over 15 years of experience from leading international organizations.

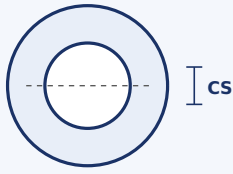
Material Overview

Material	Type	Hardness	Temp Range	Color	Pressure	Best Application
NBR	Nitrile	70-90 A	-40 to +100 °C	Black	10 bar	General purpose, oil resistance
FKM	Viton	75-90 A	-20 to +200 °C	Black/Brown	40 bar	Chemical, high temp, fuel
EPDM	Ethylene	70-80 A	-50 to +150 °C	Black	16 bar	Steam, water, weathering
Silicone	VMQ	60-80 A	-60 to +200 °C	Red/White	8 bar	Food grade, extreme temps
Viton	FKM-A	75-90 A	-15 to +200 °C	Green/Brown	40 bar	Acids, petroleum, aromatics

Material Selection Guide

Material Grade	Inner Diameter	Max Temp	Best Use / Application
NBR 70 Shore A	1-500 mm	100 °C	Hydraulic fluids, mineral oils, aliphatic hydrocarbons
NBR 90 Shore A	1-500 mm	100 °C	High pressure applications, fuel systems, brake fluids
FKM 75 Shore A	1-500 mm	200 °C	Aggressive chemicals, solvents, high temperature sealing
EPDM 70 Shore A	1-500 mm	150 °C	Hot water, steam, polar solvents, brake fluids
Silicone 60 Shore A	1-500 mm	200 °C	FDA compliant, food contact, pharmaceutical

Standard Dimensions




Inner Dia. (ID)
1 mm / 500 mm

Cross Section
1.5 mm / 8 mm

Tolerance
DIN 3771 Class N

ID (Inner Diameter)

Available Configurations



STD
Standard O-Ring

X
X-Ring Quad Seal

SQR
Square Section

D
D-Ring Flat Side

How to Order: Part Number Builder

OR	NBR	75	STD	100
Product O-Ring	Material NBR/FKM/EPDM	Hardness 70/75/80/90 A	Type STD/X/SQR/D	ID (mm) inner diameter

Example: OR-NBR-75-STD-100 = NBR material, 75 Shore A, standard round, 100mm ID

Request a Sample or Technical Datasheet

Custom compounds, FDA-grade materials, and non-standard sizes available.

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