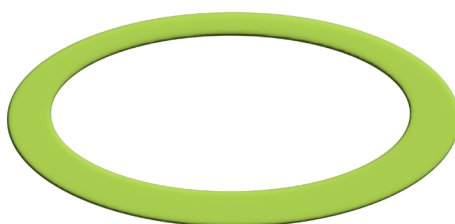


Data sheet

Cast iron pipe union EKO

Product photo



Product description

Cast Iron Pipe Union EKO is a precision-engineered flat gasket manufactured from high-quality fibre-reinforced material bonded with NBR/SBR elastomer. It provides excellent sealing performance, durability, and resistance to common industrial media such as water, gas, oil, alcohol, and light chemicals. The product holds a PZH Hygienic Certificate, confirming suitability for contact with potable water and domestic water installations. It ensures reliable sealing performance in cast iron union joints, even under elevated operating pressures and temperatures.

Where to use?

Designed for sealing threaded connections in cast iron pipe unions, sanitary fittings, and industrial piping systems.

Ideal for use in:

- Hot and cold water installations
- Heating systems
- Gas and oil pipelines
- Light industrial chemical applications

Key benefits

- High resistance to temperature and pressure (up to 210°C and 4 MPa)
- Excellent sealing performance and dimensional stability
- Broad chemical compatibility – suitable for water, gas, oil, alcohol, and light chemicals
- Complies with international standards DIN, ASTM and PN
- Certified by the National Institute of Hygiene (PZH) for contact with drinking water
- Easy cutting, handling and installation
- Available in multiple dimensions to fit EKO cast-iron unions

Safety and usage

Cast Iron Pipe Union EKO gaskets are safe to use when handled in accordance with standard occupational hygiene practices. During installation and cutting, protective gloves should be worn, and inhalation of dust generated during mechanical processing should be avoided. The material should not be used in systems exposed to strong acids, alkalis, or organic solvents. The product must be used in accordance with its intended purpose and the operating parameters specified by the manufacturer.



Data sheet

Cast iron pipe union EKO

Specifications

Materials

Property	Value / Unit
Density	1.7 – 2.1 g/cm ³
Stability (16h / 175°C)	≈ 20 MPa
Compressibility	5 – 15 %
Elastic recovery (min.)	50%
Specific leakage rate	≈ 0.1 mg/s·m
Thickness change in IRM 903 oil (5h / 150°C)	max. 15 %
Thickness change in test fluid B (5h / 23°C)	max. 15 %
Flexibility	No cracks or breaks
Colour	Yellow
Maximum operating pressure	4 MPa
Continuous operating temperature	140°C
Steam temperature	120°C
Peak temperature (short-term)	210°C
Available nominal diameters	DN10 – DN100

Available configurations

Bulk packaging

Product ID	Size	Diameter (mm)	Thickness (mm)	Quantity per bulk package	Package dimensions L/W (cm)	Gross weight (kg)
C-692139	1/2"	1.25	1.5	100	14 x 16,5	0.13
C-692146	3/4"	1.40	1.5	100	14 x 16,5	0.14
C-692153	1"	1.70	1.5	100	14 x 16,5	0.17
C-692160	5/4"	3.09	1.5	100	14 x 16,5	0.31
C-692177	6/4"	4.13	1.5	100	14 x 16,5	0.41
C-692184	2"	6.50	1.5	100	14 x 16,5	0.65
C-692191	2 1/2"	8.30	1.5	50	14 x 16,5	0.42
C-692207	3"	12.80	1.5	50	14 x 16,5	0.64

Logistics and storage

Cast Iron Pipe Union EKO gaskets should be transported in their original packaging, protected against moisture and mechanical damage. During storage, direct exposure to sunlight, high temperature, and contact with chemicals should be avoided. The recommended storage temperature is between +5°C and +25°C, with relative humidity not exceeding 65%. When properly stored, the product maintains its physical and sealing properties for at least 24 months from the date of manufacture.

Utilisation

Used or damaged Cast Iron Pipe Union EKO gaskets should be disposed of in accordance with applicable industrial waste regulations. The material does not contain hazardous substances; however, it must not be burned in unsuitable installations or disposed of with household waste. It is recommended to transfer the waste to an authorised facility specialising in the recovery or neutralisation of elastomeric materials.