

ZEROVAC ISO-KF CHAIN CLAMP

Vacuum Components / ISO-KF Vacuum Fittings



DN 10-16 • DN 20-25 • DN 32-40 • DN 50

■ 4 SIZE GROUPS

Four ISO-KF connection options from DN 10-16 through DN 50.

■ METAL / ELASTOMER

Compatible with aluminium metal-seal and elastomer-seal applications.

■ SOLID LUBRICATION

Solid lubrication at the articulated chain mechanism.

ISO-KF Chain Clamp

The ZEROVAC ISO-KF chain clamp is an articulated connection element designed to join ISO-KF vacuum flanges with the appropriate centering ring and seal. Aluminium 6081 chain segments transfer the clamping load around the flange circumference. DN 10-16, DN 20-25, DN 32-40 and DN 50 size groups are available with defined maximum torque values for aluminium metal and elastomer seal applications.

Advantages

- Articulated segment design for connection around the flange
- Maximum tightening torques specified by seal type
- Design aligned with ISO 2861/1, DIN 28403 and Pneurop 6606
- Product family supporting leak rates below 1×10^{-9} mbar·L/s
- Product family compliant with 2011/65/EU RoHS

Applications

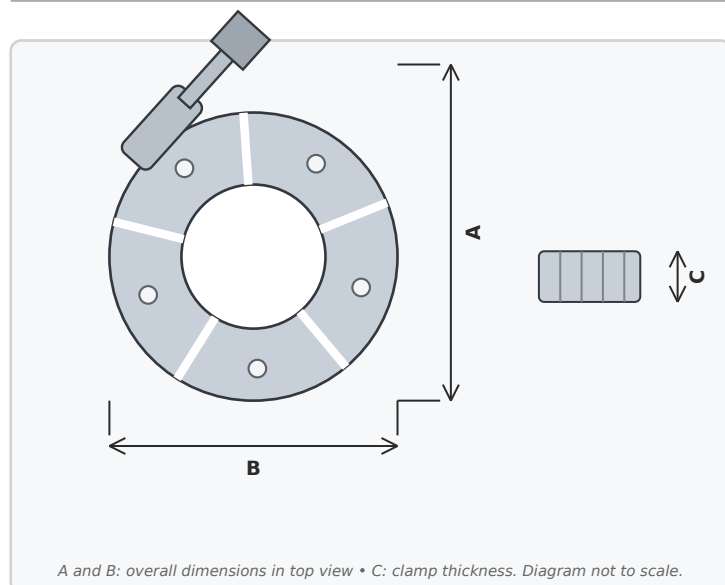
- Connections between vacuum pumps and vacuum chambers
- Removable ISO-KF process lines
- Test rigs and R&D vacuum systems
- OEM machinery and process equipment
- Laboratory and industrial vacuum installations

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Technical Dimensions, Maximum Torques and Ordering Information



Product Summary

Connection standard	ISO-KF
Size range	DN 10-16 - DN 50
Chain segment	Aluminium 6081
Fastening hardware	Steel 1.6582
Seal compatibility	Metal / elastomer

Dimensions, Maximum Torques and Ordering Codes

ISO-KF	Dimensions (mm)			Maximum Tightening Torque (N·m)		Ordering Code
	A	B	C	Aluminium Seal	Elastomer Seal	
DN 10-16	72	52	18	2.5	2.5	211-021
DN 20-25	82.5	62	18	3.5	3	211-022
DN 32-40	85	77	18	5	3	211-023
DN 50	119	95	20	6	3	211-024

Fastening hardware: steel 1.6582, nitro-gas carburized. No tolerances are published for dimensions A/B/C; the approved order-specific drawing takes precedence.

Installation Note: Align the correctly sized centering ring and seal between the flanges. Position the chain clamp around the joint and tighten without exceeding the maximum torque shown for the seal in use. The clamp does not replace the vacuum seal.

