

ZEROVAC ISO-KF FLEXIBLE STAINLESS STEEL METAL HOSE

Vacuum Components / ISO-KF Vacuum Fittings



DN 10 • DN 16 • DN 25 • DN 40 | 250 - 2000 mm

■ 22 ORDERING OPTIONS

Four ISO-KF sizes and up to six nominal lengths, depending on size.

■ MECHANICALLY FORMED

Stainless-steel flanges with a mechanically formed flexible bellows.

■ 100% LEAK TESTED

Every unit is leak tested; specified leak rate $< 1 \times 10^{-9}$ mbar·L/s.

ISO-KF Flexible Stainless Steel Metal Hose

The ZEROVAC ISO-KF flexible metal hose is designed for vacuum lines that require a flexible and reliable connection. Its mechanically formed stainless-steel bellows helps reduce vibration transmission and the effects of minor alignment differences. DN 10, DN 16, DN 25 and DN 40 sizes are available in nominal lengths from 250 to 2000 mm, depending on size.

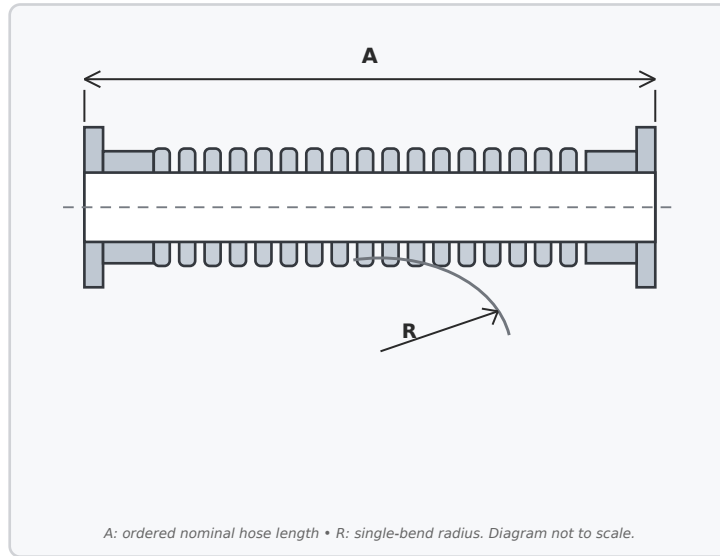
Advantages

- Flexible construction that helps reduce vibration transmission
- Mechanically formed hose that retains a formable shape
- Design aligned with ISO 2861/1, DIN 28403 and Pneurop 6606
- Leak rate below 1×10^{-9} mbar·L/s
- Product family compliant with 2011/65/EU RoHS

Applications

- Connections between vacuum pumps and vacuum chambers
- Static vacuum lines requiring vibration isolation
- Piping with minor alignment differences
- Laboratory, R&D and analysis systems
- Industrial process and central-vacuum installations

Technical Dimensions and Ordering Information



Product Summary

Connection standard	ISO-KF
Nominal sizes	DN 10 - DN 40
Length range	250 - 2000 mm*
Flange material	SS 316 / (304)
Bellows material	SS 316L / (316Ti)

Technical Data and Ordering Codes

ISO-KF	Single-bend R	P max.	Ordering Codes / Nominal Length A (mm)					
	(mm)	(bar)	250	500	750	1000	1500	2000
DN 10	40	4	211851	211852	211853	211854	—	—
DN 16	60	4	211857	211858	211859	211860	211861	211862
DN 25	115	4	211863	211864	211865	211866	211867	211868
DN 40	149	4	211869	211870	211871	211872	211873	211874

* DN 10: 250-1000 mm; DN 16, DN 25 and DN 40: 250-2000 mm. R values are in mm; pressure values are in bar.

Installation Note: Use a correctly sized ISO-KF centering ring, seal and clamp. Do not twist the hose, make sharp bends near the flanges or bend below the specified single-bend radius; support long runs.

