

NINJA-EXO - Shielded Expansion Joint (Flanged)



Product Description

The Flange Ended Axial Expansion Joints are specifically designed to absorb thermal expansion that occurs in straight pipelines.

The Ninja EXO™ range is a shielded expansion joint designed for modern heating and cooling pipework systems. Unlike conventional exposed stainless steel bellows, the EXO™ incorporates a shielded bellows architecture with controlled axial movement. This significantly reduces the risks of site damage, corrosion from insulation contact, debris accumulation, and buckling instability.



Design Features

- 316 Stainless Steel Bellow Core
- PN16 Flanged end connections
- 304 Stainless Steel internal flow sleeve
- Design Temperature of 400°C
- Max working pressure of 16 Bar, Max Test pressure 24bar
- Available in the following nominal size: 65NB to 250NB

Part Number	Nominal Size (")	Nominal Size (mm)	Overall Length (mm)	Axial Movement (mm)
NS-EXO-050-F	50NB / 60.3OD	50	480	-40mm +20mm
NS-EXO-065-F	65NB / 76.1OD	65	470	-40mm +20mm
NS-EXO-080-F	80NB / 88.9 OD	80	470	-40mm +20mm
NS-EXO-100-F	100NB / 114.3 OD	100	480	-40mm +20mm
NS-EXO-125-F	125NB / 139.7 OD	125	490	-40mm +20mm
NS-EXO-150-F	150NB / 168.3OD	150	510	-40mm +20mm
NS-EXO-200-F	200NB / 219.1 OD	200	530	-40mm +20mm
NS-EXO-250-F	250NB / 273 OD	250	540	-40mm +20mm
NS-EXO-300-F	300NB / 324 OD	300	570	-40mm +20mm