

Round Duct Expansion Joint

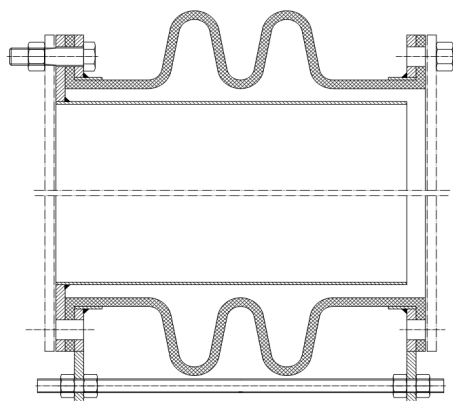
Product Introduction

Round Duct Expansion Joints are constructed from rubber composite materials, steel flanges, sleeves, and thermal insulation materials. They are primarily designed for the flexible connection between various fans and ductwork systems.

Their primary functions include vibration isolation, noise reduction, sealing, and chemical resistance, while effectively accommodating displacement and simplifying installation. Within the environmental protection industry, they are considered an ideal auxiliary component for vibration damping, noise attenuation, and smoke/dust removal applications.



Product Structure



No.	Description
compensation	Custom
Working pressure	≤4500pa
Temperature range	-40℃ -300℃
Installation length	Custom
Variation rate of extension	≤15%
Distance between fixed brackets on the both ends	≤15m
Distance between flexible brackets on the both ends	2-4m

Core Advantages

1. It features excellent recovery under repeated displacement, providing substantial multi-dimensional compensation within a compact space. It effectively rectifies multi-directional misalignments during pipeline installation.
2. With superior acoustic and vibration isolation properties, it effectively mitigates the transmission of noise and vibration from boilers, fans, and other systemic equipment.
3. It ensures zero force transmission, simplifying the design process by eliminating the need for additional auxiliary supports or stress-absorbing structures.
4. Engineered with high heat and corrosion resistance, it is immune to rust, significantly lowering long-term maintenance costs.
5. Its exceptional air-tightness and flexibility guarantee zero leakage of the conveyed media and ensure the joint returns to its original state after repeated cycles.