



EASYFLEX

VIBRATION CONTROL FOR PUMPS



Easyflex supports you to design and fabricate solutions for installation and commissioning of Pumps used for different applications.

CHILLED WATER PUMPS

CONDENSER PUMPS

DIESEL ENGINE PUMPS

CENTRIFUGAL PUMPS

SLURRY PUMPS

Easyflex is your single source for all types of Flexible Connectors and Vibration Isolators for Pumps that are used in the HVAC, Fire Fighting and Industrial sectors.

EXPANSION JOINTS

BASE FRAMES

SPRING ISOLATORS

SEISMIC ISOLATION

BRAIDED CONNECTORS

RUBBER PADS & MOUNTS

EXPANSION JOINTS & SEISMIC ISOLATION

Chilled Water Pumps are fitted with expansion joints at the Suction & Discharge to eliminate Water Hammer and compensate for Thermal expansion and contraction of piping.

Installed on top of an Inertia Base Frame (floating foundation) with Seismic Isolators and Snubbers to eliminate transmission of vibration to the structure.



**VIBRATION ELIMINATION
EXPANSION JOINTS | SEISMIC ISOLATION**

EXPANSION JOINTS

The Manufacturing process of Easyflex Expansion joints are in compliance with the **Expansion Joints Manufacturer's Association (EJMA)** and **Fluid Sealing Association (FSA)**.

Our In-house Validation and Software tools assist in the design and selection process according to application.



FLUIDSEALING
ASSOCIATION



Rubber Expansion Joints 900NB designed and engineered for KSB Cooling Water Pumps

EXPANSION JOINTS

Chilled Water Pumps fitted with **Easyflex Rubber Expansion Joints** (Single Arch) complete with Split Retaining Rings, Control Units and Tie Rod Assembly.

Several Parameters in consideration for selection of design and materials of construction

- **Application**
- **Design Temperature**
- **Design Pressure**
- **Flowing Medium**
- **Desired Movement Capability of the Flexible Element**

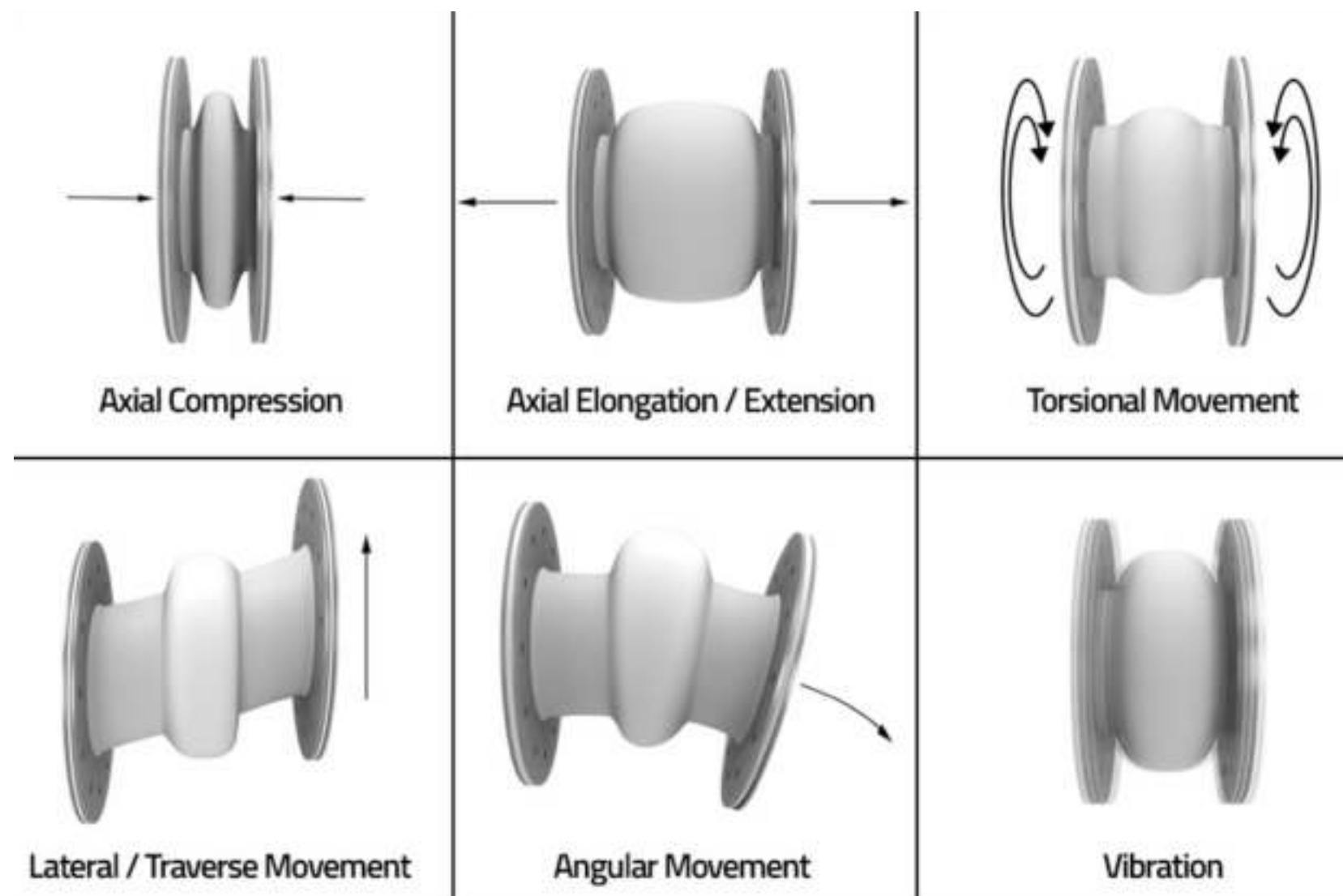


Rubber Expansion Joints installed at Pump Room of an International Airport

EXPANSION JOINTS

Slurry Pumps fitted with **Easyflex Rubber Expansion Joints (Floating Flange Type)** complete with Control Units and Tie Rod Assembly.

Cooling Water Pumps are also major applications at Power Plants which are also fitted with Rubber expansion joints at the suction & discharge.



INERTIA BASE FRAMES

Sumer Singh
● Active

Easyflex


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Inertia Base selection Tool

Selection Tool

Inertia base Type	Pump Make	Pump Model
EFIB + EFOS ▾	Select ▾	Select ▾
Tag Number	Factor	Quantity
<input type="text"/>	<input type="text"/>	in Nos
Deflection	<input type="button" value="Calculate"/>	
25 mm ▾		

Inertia Base 3D Model



EASYFLEX INERTIA BASE SELECTION SOFTWARE

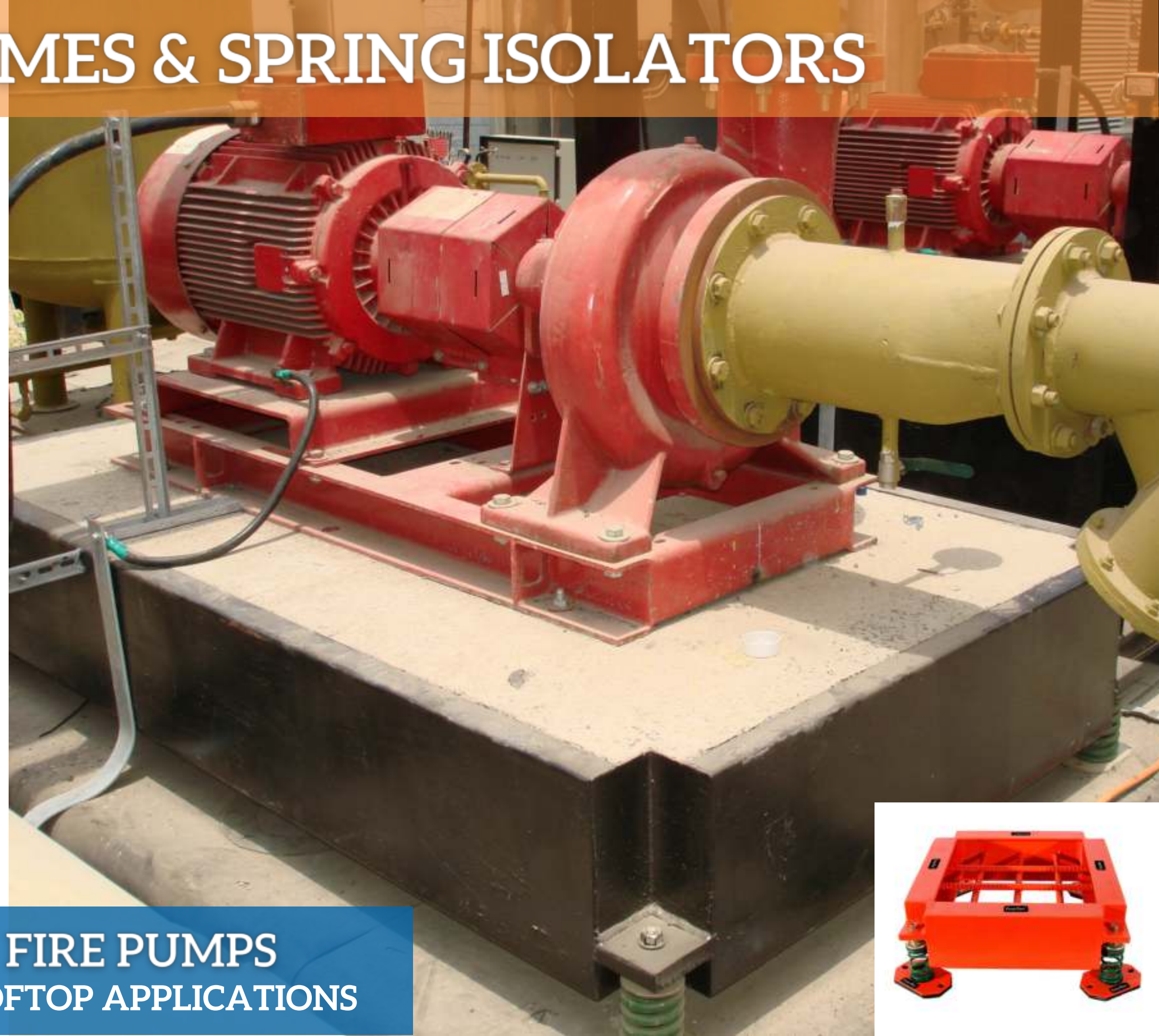
250+ PUMPS DATABASE | INSTANT SELECTION | INERTIA BASE & VIBRATION ISOLATION DESIGN REPORT

INERTIA BASE FRAMES & SPRING ISOLATORS

Poured with **Concrete** and supported by **Noise & Vibration Isolators, Easyflex Inertia Base Frames** are floating foundations for **Pumps** and are totally isolated from the structure due to Air Gap.

Easyflex Inertia Base Design Report

- Base Design Dimensions, Weights & Inertia
- Estimated Deflections
- Vibration Isolation Efficiency Calculation



VIBRATION ISOLATION FOR FIRE PUMPS
INERTIA BASE | SPRING MOUNTS | ROOFTOP APPLICATIONS

INERTIA BASE FRAMES & SEISMIC ISOLATORS

Easyflex Seismic Isolation Range is suitable for project specifications that require installation of equipment with seismic provisions.

Chilled Water Pumps are mounted on **Easyflex Inertia Base Frame** along with **Seismic Snubbers** and **Restrained Spring Isolators**.

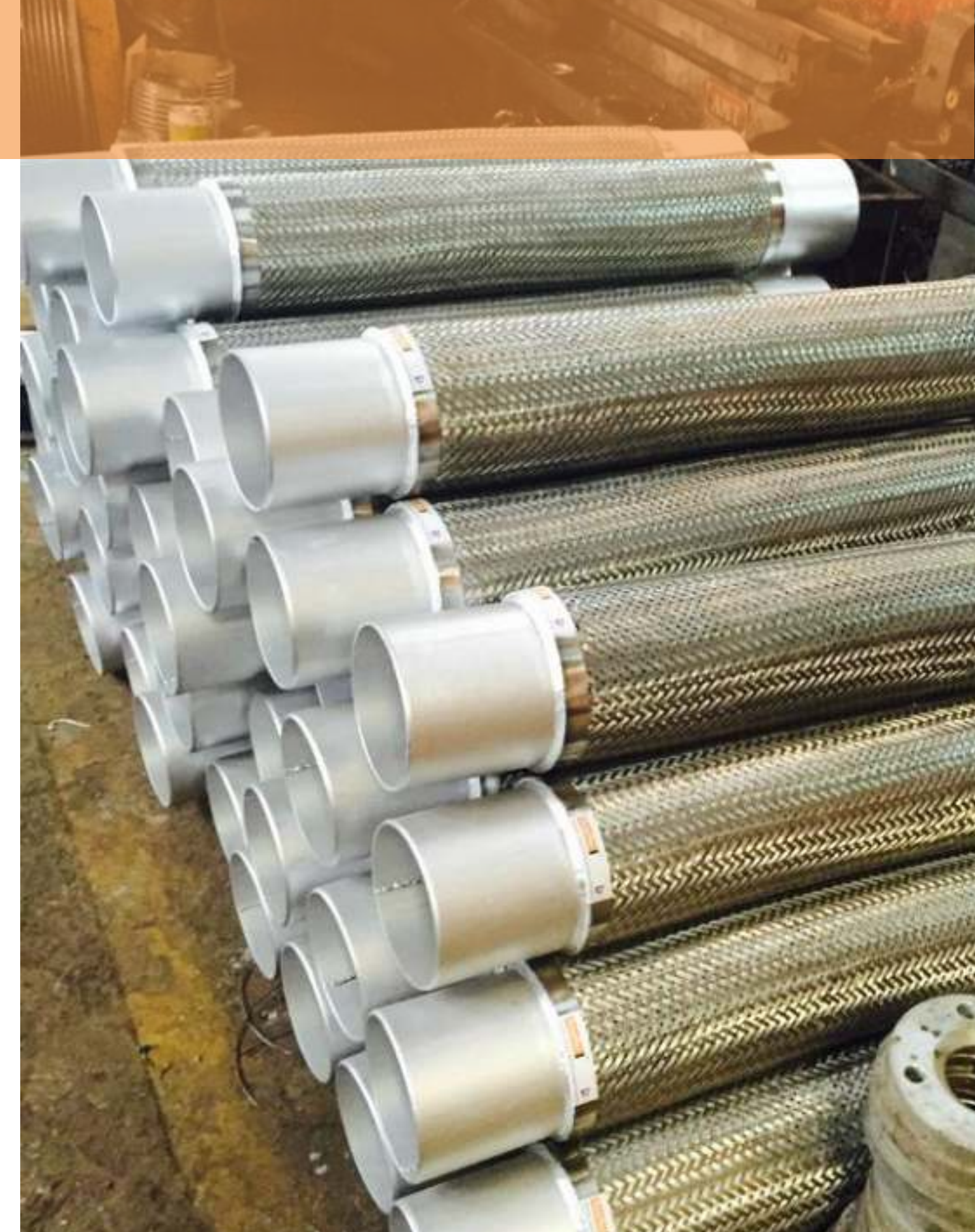


SEISMIC ISOLATION
SNUBBERS | RESTRAINED ISOLATORS

PUMP CONNECTORS

Corrugated Metallic Hoses with Stainless Steel braiding with custom end fittings are fabricated as Flexible Connections for

- **Pumps**
- **Fan Coil Units**
- **Air Handling Units**
- **Steam Generation**



FLEXIBLE BRAIDED CONNECTIONS
SS304/316/321 | SINGLE / DOUBLE BRAIDING



Round Mount



Neoprene Grommet Mount



Cork Sandwich Pad



EASY MOUNT



Waffle Pad



Ribbed Mounting Pad



Metal Sandwich Pad



TURRET MOUNT



Expansion Joints & Braided Connectors for associated piping of Pumps

Inertia Base Frames with Vibration & Seismic Isolators

Rubber Based Anti Vibration Mounts & Pads

Easyflex