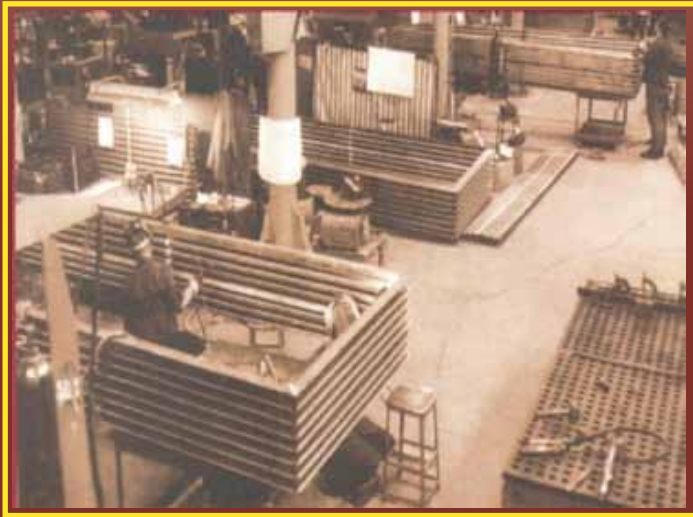
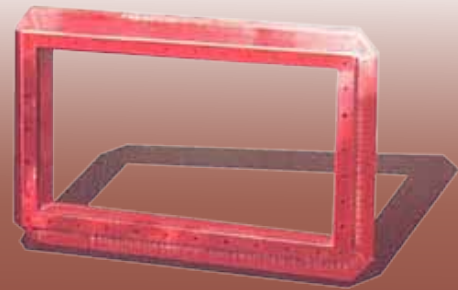


AIR SYSTEMS SERIES 221

Rectangular Metallic Expansion Joints



Rectangular Metal Expansion Joints have a variety of applications in Power, Petrochemical, Refining Chemical and Steel Industries. We are fully prepared to service our Customers needs on these applications. Since there are no standardized duct sizes, and due to the wide range of pressure and temperature combinations, each Rectangular Metallic Expansion Joint is Customer Engineered to provide the economical design that will not sacrifice the integrity of the Expansion Joint or the System in which it is installed. Like circular Expansion Joints, Rectangular Expansion Joints absorb three types of movement : Axial, Lateral and Angular. For the purpose of designing rectangular bellows, it is critical to know in which direction the lateral and angular movements will occur, i.e parallel to the long and / or short side of the bellows.

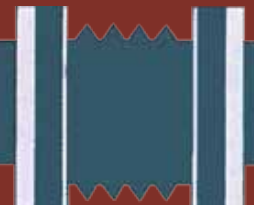
We are manufacturer of Cold-rolled, thin-walled, high performance convoluted Metallic Expansion Joints. We can supply metallic joints of sizes up to 7 metre in dia or for service at pressure in excess of 1200 PSI, depending on diameter and temperature. Unlike circular bellows where the pressure stress is a circumferential membrane (hoop) stress, the rectangular bellows is designed for longitudinal (beam) bending stresses. Long unsupported lengths are supported to prevent excessive deflection and stress of the bellows element.



"V" STYLE CORRUGATIONS



Protecting Ducts & Equipments from STRESS / MOTION



AIR SYSTEMS

SERIES 221



Rectangular Metallic Expansion Joints

Our 221 Series Rectangular expansion joints are manufactured in accordance with international standards for different service conditions and working temperature for axial as well as lateral movements. Material selection is determined according to the temperature and pitting on the conditions. Different types of corners and profiles are adopted depending on the application.

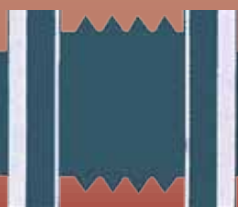
APPLICATIONS AND INSTALLATIONS :

- Air heater ducts
- Fluidized bed boilers
- Electrostatic Precipitators ducting
- ID / FD Fan Inlet / Outlet ducting
- Heat recovery systems
- Distinct heating systems
- Oil fired gas turbines
- Compressor / Hot air blower Inlet / out lines
- Steam turbine Inlet Outlet lines
- Condenser Expansion Joints
- Copper smelting blast burners
- Preheater ducting in cement plants



We can offer following standrd Metallic Expansion joints generally used in Thermal / Captive Power Plants in India. Besides, the following we can also supply other sizes of Expansion Joints as per Customer's requirements :-

Sl.No.	Expansion Joint Size (mm)	Air System Part No.	Sl.No.	Expansion Joint Size (mm)	Air System Part No.
1.	657 X 1947	RMEJ :06519	8.	2450 X 6159	RMEJ :24561
2.	750 X 1120	RMEJ :07511	9.	2425 X 4482	RMEJ :24244
3.	1000 X 1400	RMEJ :10014	10.	2530 X 3260	RMEJ :25332
4.	1170 X 1170	RMEJ :11711	11.	2628 X 6717	RMEJ :26267
5.	1250 X 1120	RMEJ :12511	12.	3060 X 3593	RMEJ :30635
6.	1840 X 1840	RMEJ :18418	13.	3362 X 4350	RMEJ :33643
7.	1841 X 4406	RMEJ :18444	14.	3394 X 8470	RMEJ :33984



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