

# Breton Industries, Inc.

## PRODUCT DATA SHEET

### EXPANSION JOINTS — DUCT TYPE — for PROCESS SYSTEMS HIGH TEMPERATURE, LOW PRESSURE ROUND, SQUARE, RECTANGULAR

#### DESCRIPTION

Breton Industries, Inc. offers a diverse line of EXPANSION JOINTS for process systems to 1,000° F.

Our capability includes a variety of rubber coated fabric joints to 600° F, including

STYLE #50 NEOPRENE/NYLON . . . to 200° F

STYLE #90 VITON/SILICA . . . to 400° F

STYLE #30 SILICONE/FIBERGLASS . . . to 600° F

STYLE #1050 HIGH TEMPERATURE . . . to 1000° F

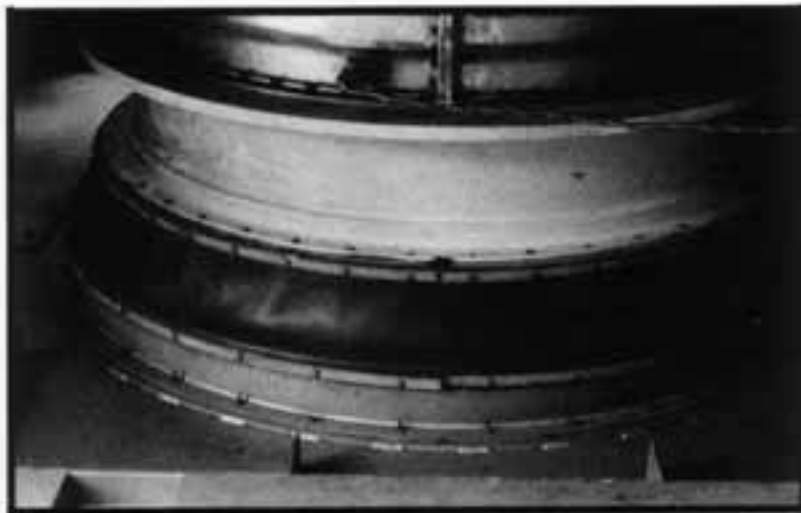
#### MATERIALS OF CONSTRUCTION

Composite types of expansion joints can be constructed by incorporating thermal insulation mat and metal meshes in multi-layered fabrications, sewn and bonded, with formed, sealed and flexible corners which distribute corner compression evenly over a radius, in rectangular expansion joints.

The gas seal typically is the outer element which resists weathering and gas penetration. The resilient, flexible belt forms a tight gas seal when secured with clamping bars.



STYLE #150 NEOPRENE/NYLON REINFORCED (BLACK)  
DUCT EXPANSION JOINT 1/8" THICK WITH SEALED CORNER



STYLE #30-320 FIBERGLASS REINFORCED (RED)  
SILICONE 1/8" THICK  
BELL-MOUTH EXPANSION JOINT  
FOR GAS TURBINE  
INLET JOINT

#### MOVEMENT CAPABILITIES

Breton Industries EXPANSION JOINTS are designed to function as vibration isolators. These joints will accommodate . . .

Axial Compression and Extension

Lateral Offset

Rotational Movements

. . . within limits specified. Flange-to-flange dimensions are selected to accommodate compound movements.

#### PRESSURES

Constructions will tolerate pressures to 36" water gauge, and limited negative pressures.