



# PRODUCT TECHNICAL SPECIFICATION

## METAL BELLOWS EXPANSION JOINT

### SCOPE

Metal Bellows Expansion Joint, equipped with Rotating Flanges, w. and w/o Liners,

Sizes and Materials comply with the EN Standards, has TSE Certificate in accordance with the TS 10880 Standard  
DN 25, 32, 40, 50, 65, 80, 100, 125, 150, 200, 250\*, 300\*  
PN 16

### A. MATERIALS

<b>Flange</b>	Carbon Steel, ST-37
<b>Bellows</b>	Stainless Steel, AISI 304
<b>Liner</b> <b>(For only Liner</b> <b>Types)</b>	Stainless Steel, AISI 304

### B. FACE TO FACE DIMENSIONS

in accordance with Valve Size Standard compatible with the TS EN 558-1 standard

### C. FLANGE SIZES

in accordance with the TS EN 1092-1 and BS EN 1092-1 Standards; PN 16

### D. NOMINAL PRESSURE / OPERATING PRESSURE

PN 16 / 16 Bar



#### **E. OPERATING TEMPERATURE RANGE**

-80 ~ +420 °C

#### **F. MARKING**

Minimal marking that is legible and obtained in the form of printing on the flange;

##### **MANUFACTURER**

**(BRAND) TS EN 10880**

PRESSURE GRADING: **PN16**

NOMINAL SIZE: **DN25/DN32/DN40/DN50/DN65 / DN80 / DN100 / DN125 / DN150 /  
DN200 / DN250 / DN300**

#### **G. TEST**

in accordance with the TS 10880 and EN 12266-1 Standards; RATE-A (Zero leakage)

#### **H. WARRANTY**

2-year warranty against workmanship and material defects

#### **I. PACKAGING AND SHIPMENT**

Products are shipped as packed in individual plastics bags

#### **J. OTHER ISSUES**

All welded connections are done using the "Gas Metal Arc Welding" method.

##### **Axial Movement:**

For expansion joints with 30 mm nominal travel, 20 mm in compression direction, 10 mm in pulling direction

For expansion joints with 60 mm nominal travel, 40 mm in compression direction, 20 mm in pulling direction