



PRODUCT TECHNICAL SPECIFICATION

METAL BELLOWS EXPANSION JOINT,

EXTERNAL PRESSURED

SCOPE

Metal Bellows Expansion Joint, External Pressured, Flanged / with Welding Neck

Sizes and Materials comply with the EN Standards, TS 10880 Standard
DN 25, 32, 40, 50, 65, 80, 100, 125, 150, 200, 250, 300
PN 16

A. MATERIALS

Flange	Carbon Steel, ST-37
Bellows	Stainless Steel, AISI 304
External Pipe	Carbon Steel, ST-33
Floating Pipe	Carbon Steel, ST-33

B. FLANGE SIZES

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

C. NOMINAL PRESSURE / OPERATING PRESSURE

PN 16 / 16 Bar



D. OPERATING TEMPERATURE RANGE

-80 ~ +420 °C

E. 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**

F. TEST

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

G. WARRANTY

2-year warranty against workmanship and material defects

H. PACKAGING AND SHIPMENT

Products are shipped as packed in individual plastics bags

I. 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

For expansion joints with 90 mm nominal travel, 70 mm in compression direction, 20 mm in pulling direction